

Index

SYMBOLS AND NUMERICS

:active pseudo-class, 342–343

:after pseudo element, 343

&&ot element. See basic

document structure,

understanding

arithmetic operators

+ addition, 520

/ division, 520

– decrement (decreases the variable by 1), 520

++ increment (increments the variable by 1), 520

% modulus (division remainder), 520

* multiplication, 520

- subtraction, 520

assignment operators

%= x%=y, 521

= x=y, 521

/= x/=y, 521

+= x+=y, 521

= x=y, 521

@charset rule, 350

@import rule: modularized style sheets, 349

:before pseudo element, 343

comparison operators

== is equal to, 521

> is greater than, 522

>= is greater than or equal to, 522

<= is less than or equal to, 522

!= is not equal to, 521

:focus pseudo-class, 342

(hash), 9

logical or boolean operators

&& (And), 522

! (Not), 522

|| (Or), 522

special characters

(&) ampersand, 739

(>) greater than, 739

(<) less than, 739

A

<a> element, attributes of

accesskey, 83, 664

charset, 83, 664

coords, 83, 664

href, 83, 664

hreflang, 83, 665

rel, 83, 665

rev, 83, 665

shape, 83

style, 83

tabindex, 83, 665

target, 83

type, 83, 665

abbr attribute, 140

above attribute of <layer> element, 685

absolute units of lengths, defined, 299

absolute URL. See also relative URL

defined, 77

relative URLs, 77

absolute values in pixels, 208

abstract modules

Applet, 469

Base, 470

Basic forms, 469

Basic tables, 469

Bidirectional text, 469

Client-side image map, 469

Edit, 469

Forms, 469

Frames, 469

Hypertext, 469

IFrame, 469

Image, 469

abstract modules (*continued*)

abstract modules (*continued*)

- Intrinsic events, 469
- Legacy, 470
- Link, 470
- List, 469
- Metainformation, 469
- Name identification, 470
- Object, 469
- Presentation, 469
- Ruby annotation, 470
- Scripting, 469
- Server-side image map, 469
- Structure, 469
- Style attribute (deprecated), 469
- Stylesheet, 469
- Table, 469
- Target, 470
- Text, 469
- accept attribute**
 - of <form> element, 164
 - use of, 183
- accept-charset attribute of <form> element, 164, 674**
- access keys, 194**
- accesskey attribute of**
 - <body> element, 668
 - <button> element, 669
 - <isindex> element, 684
 - <label> element, 685
 - <marquee> element, 687
- accesskey attribute, use of, 83, 194**
- achromatic aspects of adding color to site, 100**
- action attribute of**
 - <form> element, 161, 674
 - <isindex> element, 684
- action property of form object, 510**
- Active X**
 - controls, 93
 - plug-ins, 117
 - technology, 117
- add() function, 576**

- adjacent sibling selector, defined, 298**

- Adobe Photoshop, 108**

align attribute

- deprecated, 37, 112, 135, 141
- for formatting, 241

align attribute of

- <caption> element, 670
- <col> element, 670
- <colgroup> element, 151, 671
- <embed> element, 254, 672
- <fieldset> element, 673
- <hr /> element, 676
- <iframe> element, 223, 677
- element, 111, 677
- <marquee> element, 687
- <object> element, 689

- alink attribute, 247, 668**

- alt attribute, 111, 126, 677**

- alt text, 112**

- anchors. See links with <a> element, creating**

- animated GIFs, 107**

- API (Application Programming Interfaces), 501**

<applet> element

- deprecated, 253, 254
- use of, 253

<applet> element, attributes of

- archive, 254
- code, 254
- codebase, 254
- height, 254
- name, 254
- object, 254
- width, 254

- Application Programming Interfaces (APIs), 501**

- archive attribute of <object> element, 118, 689**

<area> element, attributes of

- accesskey, 666
- alt, 666
- coords, 666

href, 666
name, 666
nohref, 666
notab, 667
shape, 667
tabindex, 667
target, 667

aspect value. See font-size-adjust property

atomicselection attribute, IE-specific, 257

attr(x) property of content, 344

attribute

defined, 9
groups, 29, 31, 33
minimization, 15
name property, 9
parts, 9
selection options, 179
selectors, 298
value property, 9
values, 15
XHTML, 15

attribute groups

core attributes, 29
in XHTML, 29
internationalization, 31
UI events, 33

attribute parts

name, 9
value, 9

attributes, IE-specific

acrolldelay, 258
atomicselection, 257
balance, 257
behavior, 257
bgproperties, 257
bordercolordark, 257
bordercolorlight, 257
bottommargin, 257
contenteditable, 257
dataformats, 257
datafld, 257
datapagesize, 257
datasrc, 257
direction, 257

dynsrc, 257
framespacing, 257
hidefocus, 257
leftmargin, 257
loop, 258
lowsrc, 258
rightmargin, 257
scrollamount, 258
scrolldelay, 258
topmargin, 258
truespeed, 258
unselectable, 258
volume, 258

attributes, miscellaneous

border attribute, 252
compact attribute, 253
language attribute, 253
version attribute, 253

authoring tool for Web, 17

auto-tabbing between fields, 567

axis attribute, 141

B

** as presentational element, 43**

background attribute of

<body> element, 668
<layer> element, 685

background-attachment property (for watermarks)

fixed, 329
scroll, 329

backgrounds

background attribute, 239
background property, 330
background-attachment property (for watermarks), 328
background-color property, 324
background-image property, 324
background-position property, 323
background-repeat property, 326
bgcolor attribute, 238
deprecated markup for, 237
position of backgrounds, 327

backgrounds, properties of

backgrounds, properties of

- background, 323
- background-attachment, 323
- background-color, 323
- background-image, 323
- background-position, 323
- background-repeat, 323

balance attribute, IE-specific, 257

base module, 474

<base> element, 80

<basefont> element

- deprecated, 234
- for fonts, 234

basic document structure, understanding

- body, 28
- head, 27
- html, 26
- title, 27

basic links

- e-mail addresses, linking to, 72
- other documents, linking to, 70

behavior attribute

- IE-specific, 257
- of <marquee> element, 687

below attribute of <layer> element, 685

bgcolor attribute of

- <body> element, 668
- <col> element, 670
- <colgroup> element, 671
- <layer> element, 685
- <marquee> element, 687
- deprecated elements, 141, 238

bgcolor attribute, 10, 139

bgproperties attribute

- IE-specific, 257
- of <body> element, 668

<bgsound> element

- attributes, 668
- IE-specific, 256

bidirectional text module, 472

<big> as presentational element, 45

bit. See hex codes

bitmap image formats. See bitmap images

bitmap images. See also vector images

- animated gif, 107
- gif, 104, 106, 107
- jpeg, 104, 107
- png, 104, 108, 109

bitmapped graphics. See bitmap images

<blink> element, Netscape-specific, 261

block and inline elements, understanding, 65

block-level grouping element, 89

blogs, 621

blur() method of form element, 512

Bobby, 604

body content. See <body> element

<body> element

- attributes, 668, 669
- CSS rules for, 269
- for CSS positioning, 415
- in XHTML, 28
- use of, 7

<body> element, attributes of

- accesskey, 668
- alink, 668
- background, 668
- bgcolor, 668
- bgproperties, 668
- event handler, 669
- leftmargin, 668
- link, 668
- onload, 668
- onunload, 669
- text, 669
- topmargin, 669
- vlink, 669

<body> tag, use of, 7

bookmarked data, 197

border attribute of

- <embed> element, 254, 672
- <frameset> element, 675
- element, 111, 678
- <object> element, 118, 690
- deprecated elements, 112, 136

border properties

- border-color property, 305

<center> element

border-style property, 305
border-width property, 307

border properties using shorthand, expressing

border-bottom, 307
border-left, 307
border-right, 307
border-top, 307

border property of image object, 515**border-collapse property, 336****bordercolor attribute of**

<frame> element, 674
<frameset> element, 675

bordercolordark attribute, IE-specific, 257**bordercolorlight attribute, IE-specific, 257****border-spacing property, 338****bottommargin attribute, IE-specific, 257****box model**

CSS, 301
dimensions, 310
example of, 302
properties, 301

box model, properties of

border, 301
margin, 301
padding, 301

box offset properties

bottom, 353
left, 353
right, 353
top, 353

**
 element**

attributes, 669
deprecated, 246
for line breaks, 38

**
 element, attributes of**

class, 669
clear, 669
id, 669
style, 669
title, 669

breadcrumb trails, 578**browser from caching a page, preventing, 595****browser. See Web browser****browser-specific extensions to <frameset> element, 210****browser-specific markup**

IE-specific attributes, 257
IE-specific elements, 256
Netscape-specific attributes, 261, 262
Netscape-specific elements, 260, 261
use of, 229

built-in objects

array, 541
date, 536
math, 539
string, 532
window, 542

<button> element, attributes of

accesskey, 669
disabled, 669
name, 669
onblur, 669
onfocus, 669
tabindex, 669
type, 669
value, 669

buttons creating

using <button> element, creating, 172
using <input> element, 170

buttons, 169**C****<caption> element, attributes of**

align, 670
valign, 670

<caption> to table, adding, 148**caption-side property, 338****Cascading Style Sheets. See CSS****category navigation, 375****cellspacing attribute, deprecated, 136****<center> element**

deprecated, 240
for formatting, 240

char attribute of

char attribute of

- <col> element, 670
- <colgroup> element, 151, 671

char attribute, 139, 141

character encodings

- UTF-16, 737
- UTF-32, 737
- UTF-8, 737

character entities

- for special characters, using, 64
- use of, 64

characters using replace(), finding, 557

characters using test and regular expressions, testing, 559

charoff attribute of

- <col> element, 670
- <colgroup> element, 152, 671

charoff attribute, 139, 141

charset attribute of

- <link> element, 686
- <meta> element, 688

charset attribute, 84

check and uncheck all checkboxes, 572

checkbox, attributes of

- checked, 175
- name, 175
- size, 175
- type, 175
- value, 175

checkboxes, 173, 564

checked attribute of checkbox, 175

checked property of form element, 511

child selector, defined, 297

chromaticity. *See* color, basics of

cHTML (Compact HTML), 467

cite attribute

- of element, 671
- with <blockquote> element, using, 50

class attribute

- as core attribute, 29, 663
- for CSS positioning, 415

class attribute of

- <frame> element, 674
- <frameset> element, 675
- <hr /> element, 676

<html> element, 676

<isindex> element, 684

class selector, defined, 297

classid attribute of <object> element, 118, 690

clear attribute for formatting, 246

clear property, 359

click() method of form element, 512

client-side image map

- methods, 124
- using <area> element, 125
- using <map> element, 125

clip attribute of <layer> element, 685

close-quote property of content, 345

closing tags, defined, 6

codebase attribute of <object> element, 119, 690

<col> element, attributes of

- align, 670
- bgcolor, 670
- char, 670
- charoff, 670
- span, 670
- valign, 670
- width, 670

<colgroup> element, attributes of

- align, 151, 671
- bgcolor, 671
- char, 151, 671
- charoff, 152, 671
- span, 152
- valign, 152, 671
- width, 152, 671

color attribute of

- element, 673
- <hr /> element, 676

color attributes, 10

color names. *See also* hex codes

- for Web site color specifying, 97
- versus hex codes, 97

color schemes

- alternate complement, 101
- analogous, 101
- complementary, 101
- double complement, 101

counters for creating forms

monochromatic, 101
 split complement, 101
 triadic, 101

color schemes, creating, 100, 101**color to site, adding**

achromatic, 100
 chromaticity, 100
 color names, use of, 97
 color, basics of
 hex codes versus color names, 97
 hex codes, use of, 94
 hue, 100
 intensity, 100
 primary colors, 99
 RGB color space, 95
 saturation, 100
 secondary colors, 99
 shade, 100
 tertiary colors, 99
 tint, 100
 tone, 100

color, basics of, 99**colors for Web, choosing**

color affecting concerns, 102
 color basics, 99
 color names, use of, 97
 color scheme, creating, 100
 contrast, 101
 hex codes, use of, 94
 Web safe color palette, 102

colors hexadecimal codes, 95**cols attribute of**

<frameset> element, 206, 675
 <multicol> element, 688

colspan attribute, 141, 149**column width, fixing of, 408****columns sharing styles using <col> element, 152****<comment> element, attributes of**

id, 671
 lang, 671

Compact HTML (cHTML), 467**complementary color scheme, 101****complete property of image object, 515****conditional statements**

conditional (or ternary) operator, 527
 if statements, 525
 if . . . else statements, 525
 switch statement, 526

content attribute of <meta> element, 688**content property**

attr(x), 344
 close-quote, 345
 counter, 344
 no-close-quote, 345
 no-open-quote, 345
 open-quote, 344
 string, 344
 url, 344

contenteditable attribute, IE-specific, 257**contextual selectors, defined, 298****contrast, 101****controls attribute of element, 678****coords attribute, 84, 126****core attributes**

class, 29, 663
 dir, 663
 id, 29, 664
 lang, 664
 onclick, 664
 ondblclick, 664
 onkeydown, 664
 onkeypress, 664
 onkeyup, 664
 onmousedown, 664
 onmousemove, 664
 onmouseout, 664
 onmouseover, 664
 onmouseup, 664
 style, 29, 664
 title, 29, 664
 xml:lang, 664

counter property of content, 344**counters for creating forms**

accept attribute, 164
 accept-charset attribute, 164

counters for creating forms (*continued*)

counters for creating forms (*continued*)

- action attribute, 161
- enctype attribute, 163
- id attribute, 162
- method attribute, 162
- name attribute (deprecated), 162
- onreset attribute, 163
- onsubmit attribute, 162
- target attribute, 164
- whitespace and <form> element, 164

CSS (Cascading Style Sheets)

- basic example, 267
- box model, 301
- external, 274
- features, 270
- font coding, use of, 293
- font controlling properties, 276
- inheritance, 270
- introduction, 266
- overview, 10, 265
- positioning, 154
- properties, 275
- text formatting code, 293
- text pseudo-classes, 292
- to style pages, 16
- using <link> element, 267, 268
- using form elements, 458

CSS background-attachment property, defined, 328

CSS background-color property, defined, 324

CSS background-image property, defined, 324

CSS background-position property, defined, 327

CSS background-repeat property, defined, 326

CSS backgrounds properties

- background, 323
- background-attachment, 323
- background-color, 323
- background-image, 323
- background-position, 323
- background-repeat, 323

CSS border properties

- border-color property, 305
- border-style property, 305
- border-width property, 307
- using shorthand, 307

CSS border-collapse property, defined, 336

CSS border-spacing property, defined, 338

CSS box properties

- border, 301, 304
- dimensions, 310
- margin, 301, 309
- padding, 301, 308

CSS caption-side property, defined, 338

CSS color property, 283

CSS dimensions properties

- height and width, 311
- line-height, 312
- max-height, 313
- max-width, 313
- min-height, 313
- min-width, 313

CSS direction property, defined, 290

CSS direction property, values for

- inherit, 291
- ltr, 291
- rtl, 291

CSS empty-cells property, defined, 339

CSS font controlling properties

- font-size, 277
- font-size-adjust, 277
- font-stretch, 277
- font-style, 277
- font-variant, 277
- font-weight, 277

CSS font-family property, specifying, 278

CSS font-size property, specifying, 279

CSS font-size-adjust property, specifying, 282

CSS font-stretch property

- fixed values, 282
- relative values
 - narrower, 282
 - normal, 282
 - wider, 282
- specifying, 282

CSS rules, adding

CSS font-style property, specifying

- italic, 280
- normal, 280
- oblique, 280

CSS font-variant property, specifying, 281**CSS font-variant property, values of**

- normal, 281
- small caps, 281

CSS font-weight property, specifying, 279**CSS font-weight property, values of**

- bold, 280
- bolder, 280
- lighter, 280
- normal, 280

CSS for

- backgrounds, 323
- generated content, 343
- links controlling, 321
- lists, 330
- outlines, 341
- tables, 334

CSS for controlling links presentation

- active styles, 322
- hover pseudo-class, 322
- link styles, 322
- visited styles, 322

CSS lengths properties, 299**CSS letter-spacing property, 288****CSS list properties**

- list-style, 330
- list-style-image, 330
- list-style-position, 330
- list-style-type, 330
- marker-offset, 330

CSS list-style property (the shorthand), defined, 333**CSS list-style-image property, defined, 332****CSS list-style-position property, defined, 331****CSS list-style-type property, defined, 331****CSS margin property, 309****CSS marker-offset property, defined, 334****CSS outline properties**

- outline property (the shorthand), 342
- outline-color property, 342
- outline-style property, 342
- outline-width property, 342

CSS padding property, defined, 308**CSS parts**

- declaration, 266
- selector, 266

CSS positioning concerns for Web site designing, 412**CSS properties**

- background, 276
- border, 275, 276
- classification, 276
- dimensions, 276, 310
- font, 275, 276
- for box, 302
- generated content, 276
- list and marker, 276
- margin, 276
- outlines, 276
- padding, 275, 276
- positioning, 276
- table, 276
- text, 275, 276

CSS rule, parts of

- declarations, 10, 266
- selector, 10, 266

CSS rules for

- <body> element, 269
- <h1> element, 269
- <head> element, 267, 268
- <link> element, 272
- <p> element, 269
- <style> element, 273, 274
- <td> element, 270
- inline styles, 271

CSS rules, adding

- using <link> element, 272
- using <style> element, 273

CSS styles, IE-specific

CSS styles, IE-specific

- behavior, 259
- layout-grid, 259
- layout-grid-char, 259
- layout-grid-charspacing, 259
- layout-grid-line, 259
- layout-grid-mode, 259
- layout-grid-type, 259
- line-break, 259
- ruby-align, 259
- ruby-overhang, 259
- ruby-position, 259
- text-autospace, 259
- text-justify, 259
- text-kashida-space, 259
- text-underline-position, 260
- word-break, 260
- word-wrap, 260
- writing-mode, 260
- zoom, 260

CSS table properties

- background-color, 334
- background-image, 334
- border, 334
- height, 334
- padding, 334
- text and font, 334
- text-align, 334
- vertical-align, 334
- width, 334

CSS table-layout property, defined, 340

CSS table-specific properties

- border-collapse, 336
- border-spacing, 336
- caption-side, 336
- empty-cells, 336
- table-layout, 336

CSS text formatting properties

- color, 283
- direction, 283
- letter-spacing, 283
- text-align, 283
- text-decoration, 283
- text-indent, 283

- text-shadow, 283
- text-transform, 283
- unicode-bidi, 283
- vertical-align, 283
- white-space, 283
- word-spacing, 283

CSS text-align property, specifying, 284

CSS text-align property, values for

- center, 284
- justify, 284
- leftAlign, 284
- rightAlign, 284

CSS text-decoration property, specifying, 285

CSS text-decoration property, values for

- blink, 285
- line-through, 285
- overline, 285
- underline, 285

CSS text-indent property, specifying, 286

CSS text-shadow property, 287

CSS text-transform property, specifying, 288

CSS text-transform property, values for

- capitalize, 288
- lowercase, 288
- none, 288
- uppercase, 288

CSS unicode-bidi property, defined, 292

CSS unicode-bidi property, values for

- bidi-override, 292
- embed, 292
- normal, 292

CSS vertical-align property, specifying, 284

CSS vertical-align property, values for

- baseline, 285
- bottom, 285
- middle, 285
- sub, 285
- super, 285
- text-bottom, 285
- text-top, 285
- top, 285

 deprecated markup elements

CSS white-space property, defined, 290

CSS white-space property, values for

normal, 290

nowrap, 290

pre, 290

CSS word-spacing property, 289

custom frame with tables, creating, 436

D

data attribute of <object> element, 120, 690

data types

boolean, 546

null, 546

string, 546

undefined, 546

datafld attribute, IE-specific, 257

datapagesize attribute, IE-specific, 257

datasrc attribute, IE-specific, 257

datetime attribute of element, 671

<dd> element, 57

declaration, parts of

property, 266

value, 266

declare attribute of <object> element, 119, 690

dedicated server, 611

default HTML filename, 79

default scripting language, setting, 598

default style sheet language, setting, 597

default target frames using <base> element, setting, 217

default Web page, 3

definition lists, 57

** element, 62**

** element, attributes of**

cite, 671

datetime, 671

deprecated element, 65

deprecated and browser-specific markup, 229

deprecated elements

<applet>, 253, 254

<basefont>, 234

, 246.

<center>, 240

<dir>, 250, 251

<embed>, 254

, 231

<isindex>, 255

<listing>, 236

<menu>, 250, 251

<nobr>, 256

<plaintext>, 236

<s>, 235, 236

<strike>, 235, 236

<u> element, 236

<xmp>, 236

deprecated elements, attributes of

align, 37, 112, 135

bgcolor, 141

bgcolor, 238

border, 112, 136

cellspacing, 136

hspace, 114

name, 115

rules, 137

text, 233, 234

valign, 140

vspace, 114

width, 138

deprecated markup

and browser-specific markup, 229

defined, 12

existence of, 230

backgrounds, 237

fonts, 231

formatting, 239, 240

links, 247

lists, 247, 248

tables, 251, 252

miscellaneous, 252

deprecated markup elements

<basefont>, 234

, 231

<listing>, 236

<plaintext>, 236

<s>, 235

<strike>, 235

deprecated markup elements (*continued*)

deprecated markup elements (*continued*)

<u>, 236

<xmp>, 236

descendent selector, defined, 298

destination anchor, 82

dimensions, properties of

height, 310

line-height, 310

width, 310

dir

core attribute, 663

internationalization attribute, 29

use of, 31, 137

dir attribute of

<frameset> element, 675

<hr /> element, 676

<html> element, 676

<isindex> element, 684

<meta> element, 688

<dir> element

as list element, 250

deprecated, 250, 251

direction attribute

IE-specific, 257

of <marquee> element, 687

directory

defined, 73

on Web site, 73

structures, 73, 74

disabled and read-only controls, 195

disabled attribute of

<button> element, 669

<option> element, 691

disabled attribute, 195

disabled property of form element, 511

discussion boards and forums, 621, 623

dithering. See Web safe color palette

<div> as grouping elements, 66

<div> element

as grouping element, 66

for CSS positioning, 415

for Web page sizing, 382

<div> element, attributes of

align, 672

nowrap, 672

<dl> element, 57

DNS (domain name server), 3, 76

do . . . while loop, 529

DOCTYPE declaration

code, 13

for XHTML writing, 13

document management features, 17

document object model

different types of objects, 517

form elements, 511

forms collection, 510

images collection, 514

introduction to, 505

objects, methods, and properties, 508

document object, methods of

write(string), 509

writeln(string), 509

document object, properties of

alinkColor, 508

bgcolor, 508

element, 509

linkColor, 509

Read only, 508

Read/Write, 508

referrer, 509

vlinkColor, 509

document structure of XHTML, 26

documents, 2

domain name server (DNS), 3, 76

domain name, 3

double complement, 101

drop shadow with a table, creating, 438

<dt> element, 57

dynsrc attribute

IE-specific, 257

of element, 678

E

EBNF (Extended Backus Naur Form), 470

edit module, 472

editing text``, using, 63`<ins>`, using, 63**elements**

attributes, 9

defined, 6

empty elements, 14

empty, 14

placement for Web page designing,

388

tags and, 6

elements in XHTML document`<body>`, 25`<head>`, 25`<html>`, 25`<title>`, 25**elements, grouping**

borders and padding, 394

color, 394

location, 394

styles, 394

elements, IE-specific

IE-specific attributes, 257

IE-specific CSS styles, 258

elements, presentational``, 43`<big>`, 45``, 44`<hr />`, 46`<i>`, 43`<s>`, 44`<small>`, 45`<strike>` (deprecated), 44`<sub>`, 45`<sup>`, 44`<tt>`, 44`<u>` (deprecated), 44**em unit, defined, 300****`` as presentational element, 44****e-mail accounts, 611****e-mail links, advanced, 90****e-mail links, properties of**

bcc, 90

body, 90

cc, 90

e-mail address, 90

subject, 90

`<embed>` element, attributes of

align, 254, 672

border, 254, 672

height, 254, 673

hidden, 254, 673

hspace, 254, 673

name, 255, 673

palette, 255, 673

pluginspage, 255, 673

src, 255, 673

type, 255, 673

units, 255, 673

vpspace, 255, 673

width, 255

`<embed>` element, deprecated,**254****empty elements, 14****empty-cells property**

hide, 339

inherit, 339

show, 339

encoding, 13**enctype attribute, 163, 183, 674****enhanced PNG-24, advantages of,****109****escape characters, 64****event handler attributes**`<body>` element, 669

onClick, 16

onMouseOver, 16

events

onclick, 33

ondblclick, 33

onkeydown, 33

onkeypress, 33

onkeyup, 33

onmousedown, 33

onmousemove, 33

onmouseout, 33

onmouseover, 33

onmouseup, 33

events, 530**expiring pages, 595**

Extended Backus Naur Form (EBNF)

Extended Backus Naur Form (EBNF), 470

eXtensible Markup Language. See XML

**external CSS style sheets, advantages of,
274**

external JavaScript

- creating, 504
- working of, 505

external sites. See navigation and links

external style sheet, 271

F

face attribute of element, 673

**<fieldset> element for sending form to
server, 199-201**

<fieldset> element, attributes of

- align, 673
- tabindex, 673

file select boxes, 182

file upload box, 182

filepath, 76

files, default, 79

fixed-width designs, 379, 384

fixed-width versus liquid designs, 379

floated element for CSS positioning, 416

floating frame

- <frameset> element, 222
- <iframe> element, 222, 223

floating using float property, 358

focus

- access keys, 194
- first form item, 566
- tabbing order, 192

focus() method, 512, 566

font, defined, 277

** element, attributes of**

- color, 673
- face, 673
- size, 673

** elements**

- <basefont>, 234
- <listing>, 236
- <plaintext>, 236
- <u>, 236

<xmp>, 236

attributes, 231

defined, 9

deprecated, 65, 231

floating or inline frames with <iframe>, 235

text attribute, 233

font-family property, 278

fonts controlling properties

font, 276

font-family, 276

font-size, 277

font-size-adjust, 277

font-stretch, 277

font-style, 277

font-variant, 277

font-weight, 277

fonts using

<basefont> element, 234

 element, 231

<listing> element, 236

<plaintext> element, 236

<s> element, 235

<strike> element, 235

<u> element, 236

<xmp> element, 236

text attribute, 233

fonts, deprecated markup for, 231

font-size property, 279

font-size-adjust property, 282

font-stretch property, 282

font-style property, 280

font-variant property, 281

font-weight property, 279

for attribute of <label> element, 685

for loop, 529

form

introduction to, 160

module, 472

overview of, 159

form controls

buttons, 169

checkboxes, 173

file select boxes, 182

hidden controls, 184

object controls, 185

- radio buttons, 175
- select boxes, 177
- selecting of, 442
- text inputs, 165
- form data to server, sending**
 - <fieldset> element, use of, 199-201
 - coding for, 198
 - HTTP get method, using, 196
 - HTTP post method, using, 196, 197
- form designing, 442**
- form elements, methods of**
 - blur(), 512
 - click(), 512
 - focus(), 512
 - select(), 512
- form elements, properties of**
 - checked, 511
 - disabled, 511
 - form, 512
 - length, 512
 - name, 512
 - selectedIndex, 512
 - type, 512
 - value, 512
- form enhancements**
 - auto-tabbing between fields, 567
 - case conversion, 569
 - check and uncheck all checkboxes, 572
 - disabling text input, 568
 - focus on first form item, 566
 - overview of, 566
 - selecting all text area content, 571
 - trimming spaces from beginning and end of fields, 570
 - working of, 576
- form into separate pages, splitting, 446**
- form objects, methods of**
 - reset(), 511
 - submit(), 511
- form objects, properties of**
 - action, 510
 - length, 510
 - method, 510
 - name, 510
 - target, 510
- form property of form element, 512**
- form validation**
 - how to validate, 552
 - when to validate, 551
- form with <form> element, creating**
 - accept attribute, 164
 - accept-charset attribute, 164
 - action attribute, 161
 - enctype attribute, 163
 - id attribute, 162
 - method attribute, 162
 - name attribute (deprecated), 162
 - onreset attribute, 163
 - onsubmit attribute, 162
 - target attribute, 164
 - whitespace and <form> element, 164
- <form> element, attributes of**
 - accept, 164
 - accept-charset, 164, 674
 - action, 161, 674
 - enctype, 163, 674
 - id, 162
 - method, 162, 674
 - name (deprecated), 162
 - onreset, 163, 674
 - onsubmit, 162, 674
 - target, 164, 674
- formatting elements and attributes**
 - <center> element, 240
 - align attribute, 241
 - clear attribute (on
 element), 246
 - height attribute, 243
 - hspace attribute, 245
 - vspace attribute, 244
 - width attribute, 242
- formatting, deprecated markup for, 239, 240**
- formatting, text**
 - color property, 283
 - direction property, 290
 - letter-spacing property, 288
 - text-align property, 284
 - text-decoration property, 285
 - text-indent property, 286
 - text-shadow property, 287

formatting, text (*continued*)

formatting, text (*continued*)

- text-transform property, 288
- unicode-bidi property, 292
- vertical-align property, 284
- white-space property, 290
- word-spacing property, 289

fragment identifiers, 76

frame attribute, 137

<frame> element

- for creating links between frames, 215
- for frame-based viewer creating, 219

<frame> element, attributes of

- [event_name], 674
- bordercolor, 674
- class, 674
- frameborder, 213, 674
- id, 674
- lang, 674
- longdesc, 214, 674
- marginheight, 213, 674
- marginwidth, 213, 674
- name attribute, 213
- noresize, 213, 674
- scrolling, 214, 674
- src, 212, 674
- style, 674
- title, 674

frame-based viewer

- creating, 218
- using <frame> element, 219
- using <frameset> element, 219

frameborder attribute of

- <frame> element, 213, 674
- <frameset> element, 210, 675
- <iframe> element, 224, 677

frames

- <frame> element, using, 204
- <frameset> element, using, 204
- overview of, 203
- when to use, 203

frames, creating links between

- <base> element, using, 217
- <frame> element, using, 215
- default target frames, setting, 217

Frameset XHTML 1.0, 12

frameset, 203, 204

<frameset> element

- attributes, 207, 209
- browser-specific extensions, 210
- floating frame, 222
- frame-based viewer creating, 219

<frameset> element, attributes of

- border, 675
- bordercolor, 675
- class, 675
- cols, 206, 675
- dir, 675
- frameborder, 210, 675
- framespacing, 675
- id, 675
- lang, 675
- onblur, 675
- onload, 675
- onunload, 675
- profile, 675
- rows, 206, 675
- xml:lang, 675

framespacing attribute

- IE-specific, 257
- of <frameset> element, 675

frametype, values of

- above, 137
- below, 137
- border, 137
- box, 137
- hsides, 137
- lhs, 137
- rhs, 137
- void, 137
- vsides, 137

functions

- calling, 523
- defining, 523
- return statement, 524

G

generated content

- content property, 344

GIF images

GIF images

- animated GIFs, 107
- interlaced image, 107
- LZW compression technique for, 107
- Web sites, 104, 105

global navigation, 375**Google search to your site, adding, 433****graphical interface, 16****Graphics Interchange Format. See GIF images****grids. See table, introduction to****grouping**

- categorization and, 375
- columns using <colgroup> element, 151
- controls, 444
- options with <optgroup> element, 180

grouping elements

- <div>, 66
- , 66

group-related information, 441**gutter attribute of <multicol> element, 688****H****<h1> element, CSS rules for, 269****Handheld Device Markup Language (HDML), 467****HDML (Handheld Device Markup Language), 467****<head> element**

- CSS rules for, 267, 268
- in XHTML, 27
- use of, 7

headers attribute, 141**headings, creation of**

- align attribute (deprecated), using, 37
- hn elements, using, 35

heads from bodies, separating, 7**height and width attributes, 113****height attribute**

- deprecated, 142
- <embed> element, 254, 673
- <iframe> element, 224, 677
- element, 111, 678
- <marquee> element, 687
- <object> element, 120, 690

height property of image object, 515**hex codes. See also color names**

- corresponding decimal numbers, 96, 97
- RGB color space, 95
- to specify colors, 94
- understanding, 95
- values, 97
- versus color names, 97

hexadecimal codes. See hex codes**hidden attribute of <embed> element, 254, 673****hidden controls, 184****hidefocus attribute, IE-specific, 257****hn elements for creating headings, 35****home pages**

- content pages, 397
- sacrificial columns, 408
- single-column layouts, 400
- structuring pages, 398
- three-column layouts, 405
- two-column layouts, 403

host address, 75**host choosing, considerations for**

- backups, 610
- bandwidth, 610
- country, 610
- data centers, 610
- disk space, 610

hotspot, 123**hover pseudo-class for links controlling, 322****hover pseudo-class properties**

- background-color, 322
- color, 322
- text-decoration, 322

<hr />

- as presentational element, 46
- attributes, 676

<hr /> element, attributes of

<hr /> element, attributes of

[event_name], 676

align, 676

class, 676

color, 676

dir, 676

id, 676

noshade, 676

style, 676

title, 676

width, 676

href attribute

for source anchor creation, 81

nohref attributes and, 126

of <link> element, 273, 686

hreflang attribute, 84, 686

hspace (deprecated) attribute of <object> element, 120, 690

hspace and vspace attributes, deprecated, 114

hspace attribute

formatting, 245

<embed> element, 254, 673

 element, 111, 678

<marquee> element, 687

deprecated elements, 114

hspace property of image object, 515

.htm files, 3

HTML

XHTML differences and 5

attributes, 9

document structure, 4

document, 6, 11

elements, 6, 9

files, 3

page, 86

semantics, 10

specifications, 8

structure, 10

style adding, 7

XHTML transition, 12

HTML page, parts of

body element, 7

head element, 7

HTML versions

HTML 4.1, 12

HTML 5.0, 12

XHTML, 12

HTML writing

attribute values, 15

DOCTYPE declaration, inclusion of, 13

elements and attributes, use of, 14

tags nesting, 16

tags use, 14

<html> elements

<body>, 7

<head>, 7

<title>, 7

in XHTML, 26

<html> elements, attributes of

class, 676

dir, 676

id, 676

lang, 676

version, 676

xml:lang, 677

xmlns, 677

<html> tags, 6

HTTP (Hypertext Transfer Protocol)

get method, 196

headers, 197

post method, 163, 197

http get method

advantages, 197

bookmarked data, 197

URL encoding feature, 197

using <form> element, 196

http post method

URL encoding feature, 198

using HTTP headers, 197

http-equiv attribute of <meta> element, 688

hybrid document types, 479

hyperlinks, defined, 69

hypertext

links, 69

module, 471

Hypertext Markup Language. See HTML

Hypertext Transfer Protocol. See HTTP

I

icons to represent a link, using, 429

id attribute

as core attribute, 30, 664
for destination anchor creation, 82

id attributes of

<comment> element, 671
<form> element, 162
<frame> element, 674
<frameset> element, 675
<hr /> element, 676
<html> element, 676
<isindex> element, 684
<marquee> element, 687

id selector, defined, 297**IE (Internet Explorer), 7****IE-specific attributes**

acrolldelay, 258
atomicselection, 257
balance, 257
behavior, 257
bgproperties, 257
bordercolordark, 257
bordercolorlight, 257
bottommargin, 257
contenteditable, 257
dataformatas, 257
datafld, 257
datapagesize, 257
datasrc, 257
direction, 257
dynsrc, 257
framespacing, 257
hidefocus, 257
leftmargin, 257
loop, 258
lowsrc, 258
rightmargin, 257
scrollamount, 258
scrolldelay, 258
topmargin, 258
truespeed, 258
unselectable, 258
volume, 258

IE-specific CSS styles

behavior, 259
ime-mode, 259
layout-grid, 259
layout-grid-char, 259
layout-grid-charspacing, 259
layout-grid-line, 259
layout-grid-mode, 259
layout-grid-type, 259
line-break, 259
ruby-align, 259
ruby-overhang, 259
ruby-position, 259
text-autospace, 259
text-justify, 259
text-kashida-space, 259
text-underline-position, 260
word-break, 260
word-wrap, 260
writing-mode, 260
zoom, 260

IE-specific elements

<bgsound>, 256
<marquee>, 256
<rt>, 256
<ruby>, 256
<xml>, 256

if statements, 525**if else statements, 525****<iframe> element for floating frame, 222, 223****<iframe> element, attributes of**

align, 223, 677
frameborder, 224, 677
height, 224, 677
longdesc, 224, 677
marginheight, 224, 677
marginwidth, 224, 677
scrolling, 225, 677
src, 223, 677
width, 224, 677

image formats

bitmap images, 104
vector images, 104, 110

image map, 93, 122

image maps, types of

image maps, types of

- client-side, 123, 124
- server-side, 123, 124

image module, 472

image object, properties of

- border, 515
- complete, 515
- height, 515
- hspace, 515
- lowsrc, 515
- name, 515
- src, 515
- vspace, 515
- width, 515

image rollovers, 582

images as links, 432

images as links, using, 122

images for buttons, using, 171

images to document, adding, 115

images to Web site, adding

- bitmap images, use of, 104
- image formats, 104
- using element, 111
- using <object> element, 117
- using images as links, 122
- vector images, 104, 110

** element**

- adding Web site images, 111
- Web site coloring, 93

** element, attributes of**

- align, 111, 677
- alt, 111, 677
- border, 111, 678
- controls, 678
- dynsrc, 678
- height, 111, 678
- hspace, 111, 678
- ismap, 111, 678
- longdesc, 111, 678
- loop, 678
- lowsrc, 678
- name, 111, 678
- onabort, 678

- onerror, 678
- onload, 678
- src, 678
- start, 678
- usemap, 111, 678
- vspace, 111, 678
- width, 111, 678

implicit labels, 321

indexed color format, 104

infinite loops and the break statement, 530

inheritance, 270

inline elements, 65

inline frames. See floating frame

inline style rules, 271

<input> element, attributes of

- name, 171
- onclick, 171
- size, 171
- type, 171
- value, 171

<ins> element, 62

<ins> to indicate new additions to text, using, 63

interlaced image, 107

interlacing, defined, 107

internal style sheet, 271

internationalization attributes

- dir, 29
- lang, 29
- overview of, 31
- xml:lang, 29

Internet Explorer (IE), 7

Internet Explorer 3.0, 13

Internet Protocol (IP), 3

intrinsic events module, 473

intrinsic events, 531

IP (Internet Protocol), 3

IP addresses, 3

<isindex> element, 255

<isindex> element, attributes of

- accesskey, 684
- action, 684
- class, 684
- dir, 684

length property of

id, 684
 lang, 684
 prompt, 684
 style, 684
 tabindex, 684
 title, 684
 xml:lang, 684

**<isindex> element, deprecated,
 255**

ismap attribute

of element, 111,
 678
 use of, 124
 usemap attribute and, 115

J

JavaScript

library creating, 549
 objects, 27
 overview, 499
 when not to use, 587, 588

JavaScript writing

data types, 545
 keywords, 546

Joint Photographic Experts Group. See

JPEG images

JPEG images

for Web sites, 107
 lossy compression, 107
 Progressive JPEG, 108

K

keyboards and pseudo-class, properties

used with

background-color, 322
 color, 322
 text-decoration, 322

L

**label attribute of <option> element, 178,
 691**

label attributes, 180

<label> element, attributes of

accesskey, 685
 for, 685
 onblur, 685
 onfocus, 685

labeling controls, 447

**labels for controls and <label> element,
 creating, 188**

lang attribute

as core attribute, 664
 as internationalization attribute, 29
 use of, 32

lang attribute of

<comment> element, 671
 <frame> element, 674
 <frameset> element, 675
 <html> element, 676
 <isindex> element, 684
 <meta> element, 688

<layer> element, attributes of

above, 685
 background, 685
 below, 685
 bgcolor, 685
 clip, 685
 left, 685
 name, 685
 src, 685
 top, 685

**<layer> element, Netscape-specific,
 261**

layout, forms

explicit labels, 447
 implicit labels, 447

layouts

single-column, 400
 three-column, 405
 two-column, 403

left attribute of <layer> element, 685

leftmargin attribute

IE-specific, 257
 of <body> element, 668

length property of

form element, 512
 form object, 510

lengths

lengths

- absolute units, 299
- percentages, 301
- relative units, 300

 element, 57

 element, attributes of

- type, 672
- value, 672

LIFT, 605

line breaks using
 element, creating, 38

linearization of tables

- defined, 153
- tables used for data, 156
- tables used for layout, 154

link attribute of <body> element, 668

link attribute, 247

link module, 474

<link> element and CSS rules, 272

<link> element, attributes of

- charset, 686
- href, 273, 686
- hreflang, 686
- media, 273, 686
- rel, 272, 686
- rev, 686
- type, 272, 686

links

- advanced e-mail, 90
- and navigation, 69
- deprecated markup for, 247
- images as links, use of, 122
- links between frames, creating, 215
- to documents, 70
- to e-mail addresses, 72
- URL linking aspects, 74
- with <a> element, creating, 80, 81, 82
- within pages, creating, 86

links presentation controlling via CSS

- active styles, 322
- hover pseudo-class, 322
- link styles, 322
- visited styles, 322

links with <a> element, creating

- coding for, 86-88
- defined, 80
- destination anchor creation, 82
- source anchor creation, 81

links, attributes of

- alink, 247
- link, 247
- vlink, 247

liquid design, defined, 380

list attributes

- start, 248
- type, 249
- value, 248

list elements

- <dir>, 250
- <menu>, 250
- , 54

list module, 471

list properties

- list-style , 333
- list-style-image, 332
- list-style-position, 332
- list-style-type, 331
- marker-offset, 334

<listing> element

- deprecated, 236
- for fonts, 236

lists

- coding for, 61
- definition, 57
- deprecated markup for, 247, 248
- nesting, 57
- ordered, 54, 55
- text markup for, 58
- unordered, 53, 54

list-style-position property

- inside, 332
- outside, 332

local variables, 519

logical grouping of menu items, 430

longdesc attribute of

- <frame> element, 214, 674
- <iframe> element, 224, 677
- element, 111, 678

method attribute of <form> element

longdesc attribute, 115**loop attribute of**

 element, 678

<marquee> element, 687

IE-specific, 258

loops

do...while, 529

for, 529

infinite loops and the break statement,
530

while, 528

**lossless compression, 107. See also lossy
compression****lossy compression, 107. See also lossless
compression****lowsrc attribute**

IE-specific, 258

of element, 678

**lowsrc property of image object,
515****LZW compression, 107****M****Macromedia Flash Player, 110****mailto keyword, 72****margin property**

margin-bottom, 309

margin-left, 309

margin-right, 309

margin-top, 309

marginheight attribute of

<frame> element, 213, 674

<iframe> element, 224, 677

marginwidth attribute of

<frame> element, 213, 674

<iframe> element, 224, 677

marker-offset property, 334**markup**

browser-specific, 229

defined, 5

deprecated, 12, 229

language, 4

structural, 10

stylistic, 10

<marquee> element, attributes of

accesskey, 687

align, 687

behavior, 687

bgcolor, 687

direction, 687

height, 687

hspace, 687

id, 687

loop, 687

scrollamount, 687

scrolldelay, 687

tabindex, 687

vspace, 687

width, 687

<marquee> element, IE-specific, 256**media attribute of <link> element,
273, 686****menu>**

as list element, 250

deprecated, 250, 251

menus for Web sites, features ofclear separation from content,
427

consistency, 431

easy to select, 430

meta tags

594

http-equiv and content, 594

name and content attributes, 592

scheme, 598

search engines and, 614

using name with a value of robots,

<meta> element, attributes of

charset, 688

content, 688

dir, 688

http-equiv, 688

lang, 688

name, 688

scheme, 688

xml:lang, 688

metainformation module, 473**method attribute of <form> element,
162, 674**

method property of form object

method property of form object, 510

methods, form elements

blur(), 512
 click(), 512
 focus(), 512
 select(), 512

MIME type, 86

miscellaneous attributes

<applet> element, 253
 <embed> element, 254
 <isindex> element, 255
 <nobr> element, 256
 border attribute, 252
 compact attribute, 253
 language attribute, 253
 version attribute, 253

miscellaneous properties

cursor property, 347
 display property, 348
 visibility of boxes, 348

mixed design, defined, 387

modularized XHTML, 465

modularizing XHTML, 467

module, 472

modules using schemas, implementing, 470

monochromatic color scheme, 101

<multicol> element, attributes of

cols, 688
 gutter, 688
 width, 688

<multicol> element, Netscape-specific, 261

N

name (deprecated) attribute of

<form> element, 162
 <object> element, 120, 690

name attribute

and value attribute, 121
 deprecated, 115

name attribute of

<button> element, 669
 <embed> element, 255, 673

<frame> element, 213

 element, 111, 678

<input> element, 171

<layer> element, 685

<meta> element, 688

<param> element, 121, 666,
 690

checkbox, 175

deprecated elements, 115

name property

defined, 9

of form element, 512

of form object, 510

of image object, 515

name servers. See domain name servers

namespace identifier, 26

navigation

bottom navigation, 396

left navigation, 394

links, 432

menus, 426

right navigation, 396

site search features, 432

top navigation, 394

Web page, 394

navigation and links, 69

nested framesets

use of, 217

using <frameset> element, 217

nested table, 154

nesting lists, 57

nesting tags properly, 16

Netscape Navigator 3.04, 13

Netscape-specific attributes

above, 261

below, 261

challenge, 262

clip, 262

gutter, 262

hidden, 262

left, 262

mayscript, 262

pagex, 262

pagey, 262

pluginspage, 262
 point-size, 262
 top, 262
 weight, 262
 z-index, 262

Netscape-specific elements and attributes

<blink>, 261
 <ilayer>, 261
 <keygen>, 261
 <layer>, 261
 <multicol>, 261
 <noembed>, 261
 <nolayer>, 261
 <spacer>, 261

<noabr> element, 256

<noabr> element, deprecated, 256

no-close-quote property of content, 345

no-open-quote property of content, 345

noresize attribute of <frame> element, 213, 674

normal flow, 351

noshade attribute of <hr /> element, 676

notab attribute of <object> element, 690

nowrap attribute (deprecated), 142

nowrap attribute, 252

O

object controls, 185

object module, 471

<object> element

for adding Web site images, 117
 for Web site coloring, 93

<object> element, attributes of

align, 689
 archive, 118, 689
 border (deprecated), 118, 690
 classid, 118, 690
 codebase, 119, 690
 codetype, 119, 690

data, 120, 690
 declare, 119, 690
 height, 120, 690
 hspace (deprecated), 120, 690
 name (deprecated), 120, 690
 notab, 690
 shapes, 690
 standby, 120, 690
 tabindex, 120, 690
 type, 690
 usemap, 120, 690
 vspace, 120
 width, 120, 690

objects adding

<object> element, using, 117, 118
 <param> element, using, 121

objects, types of

built-in objects, 517
 custom objects, 517
 W3C DOM objects, 517

objInput, 576

objList, 576

onabort attribute of element, 678

onblur attribute of

<button> element, 669
 <frameset> element, 675
 <label> element, 685

onclick

events, 33
 UI events, 29

onclick as

<input> elements attribute, 171
 core attribute, 664
 event handler attribute, 16

ondblclick as core attribute, 664

ondblclick

events, 33
 UI events, 29

one-click publishing, 621

onerror attribute of element, 678

onfocus attribute of

<button> element, 669
 <label> element, 685

onkeydown

onkeydown

as core attribute, 664
 events, 33
 UI events, 29

onkeypress

as core attribute, 664
 events, 33
 UI events, 29

onkeyup

as core attribute, 664
 events, 33
 UI events, 29

onload attribute of

<body> element, 668
 <frameset> element, 675
 element, 678

onmousedown

as core attribute, 664
 events, 33
 UI events, 29

onmousemove

as core attribute, 664
 events, 33
 UI events, 29

onmouseout

as core attribute, 664
 events, 33
 UI events, 29

onmouseover

as core attribute, 664
 as event handler attribute, 16
 events, 33
 UI events, 29

onmouseup

as core attribute, 664
 events, 33
 UI events, 29

onreset attribute of <form> element, 163, 674

onsubmit attribute of <form> element, 162, 674

onunload attribute of

<body> element, 669
 <frameset> element, 675

opening tags, defined, 6

open-quote property of content, 344

operators

arithmetic, 520
 assignment, 521
 boolean, 522
 comparison, 521
 logical, 522
 string, 522

<option> element, attributes of

disabled, 691
 label, 178, 691
 selected, 178, 691
 value, 178, 691

ordered lists, 55

outlines properties

outline property (the shorthand),
342
 outline-color property, 342
 outline-style property, 342
 outline-width property, 342

overflow, 361

overflow, values of

auto, 361
 hidden, 361
 scroll, 361
 visible, 361

P

<p> element

CSS rules for, 269
 for paragraphs creating, 38

<p> tag, 6

padding properties

padding-bottom, 308
 padding-left, 308
 padding-right, 308
 padding-top, 308

page layout

column width, fixing of, 408
 fixed-width, 379
 liquid design, 379, 380
 mixed design, 387
 navigation concerns, 394
 nesting tables inside tables, 409

 presentational elements

page layout, types

- single-column, 400
- three-column, 405
- two-column, 403

page size and screen resolution, 377**page, designing**

- elements placement, 388
- grouping elements, 394
- images, use of, 393
- navigation aspects, 394
- of content pages, 397
- of home pages, 397
- page structuring, 398
- page elements, 392
- styles, use of, 391

page, main parts of

- <body> element, 7
- <head> element, 7

pages, structuring

- fixing a minimum width of a column, 408
- nesting tables inside tables, 409
- rethinking design for CSS, 412
- sacrificial columns, 408
- single-column layouts, 400
- three-column layouts, 405
- two-column layouts, 403

palette attribute of <embed> element, 255, 673**paragraphs using <p> element, creating, 38****<param> element, attributes of**

- name, 121, 666, 690
- type, 121, 666, 691
- value, 121, 666, 690
- valuetype, 121, 690

parent directory, 74**parent. See elements and tags****password input controls, 167****path arguments, 77****percentage**

- defined, 301
- of the browser window or parent frame, 208
- values in CSS, 301

phrase elements

- <abbr> for abbreviations, 48
- <acronym> for acronym use, 48
- <address> for addresses, 53
- <blockquote> for quoting text, 49
- <cite> for citations, 51
- <code> for code, 51
- <dfn> for special terms, 49
- adds emphasis, 47
- <kbd> for keyboard, 52
- <q> for short quotations, 50
- <samp> for program output, 53
- for strong emphasis, 47
- <var> for programming variables, 52

pixel, defined, 300**<plaintext> element**

- deprecated, 236
- for fonts, 236

pluginspage attribute of <embed> element, 255, 673**PNG images**

- 24-bit PNG, 109
- 8-bit PNG, 109
- for Web sites, 108

pop-up windows, 585**Portable Network Graphics. See PNG images****ports, 76****positioning with CSS**

- absolute positioning, 354
- box offset properties, 353
- clear property, 359
- fixed positioning, 356
- floating using the float property, 358
- normal flow, 351
- relative positioning, 353
- the position property, 352
- z-index property, 356

preformatted text creating, 39**presentation module, 471****presentational elements**

- , 43
- <big>, 45
- <hr />, 46

presentational elements (*continued*)

presentational elements (*continued*)

<i>, 43
 <s>, 44
 <small>, 45
 <strike> (deprecated), 44
 <sub>, 45
 <sup>, 44
 <tt>, 44
 <u> (deprecated), 44

**profile attribute of <frameset> element,
 675**

Progressive JPEG, 108

**prompt attribute of <isindex> element,
 684**

**properties, miscellaneous,
 347**

cursor property, 347
 display property, 348

property of image object, 515

pseudo-classes

text, 292, 293

pseudo-elements

after, 343
 before, 343

Q

query string, 197

quick loading, 431

quotation marks, 346

R

radio button, attributes of

checked, 176
 name, 176
 size, 176
 type, 176
 value, 176

**radio buttons and checkboxes,
 443**

radio buttons, 175, 563

random script generator, 585

ratings, specifying, 596

readonly attribute, 195

**refreshing and redirecting pages,
 596**

refreshing pages, 595

registration form, creating, 185

registry key, 119

**rel attribute of <link> element,
 272, 686**

rel attribute, 84

rel attribute, possible values for

appendix, 85
 chapter, 85
 copyright, 85
 glossary, 85
 help, 85
 index, 85
 next, 85
 prev, 85
 section, 85
 start, 85
 subsection, 85
 toc, 85

relative unit of length

defined, 301
 em unit, 300
 ex, 301
 pixel, 300

relative URL, types of

default files, 79
 from root, 79
 parent directory, 79
 same directory, 78
 subdirectory, 78

relative URL. See also absolute URL

defined, 77
 types, 78

relative widths between columns, 209

replace() method, 557

reset() method of form object, 511

resolution, screen, 377

return statement, 524

**rev attribute of <link> element,
 686**

rev attribute, 85

RGB color space, 95

RGB values, 324

selectedIndex property

rightmargin attribute, IE-specific, 257
robots.txt, 615
rollover image, 501
root folder, 74
rows attribute of <frameset> element, 206, 675
rows attribute, 209
rowspan attribute, 142, 149
ruby annotation module, 474
rules attribute, deprecated, 137
rules, CSS. See CSS rules for ruleType, values of
 all, 138
 cols, 138
 groups, 138
 none, 138
 rows, 138

S**<s> element**

as presentational element, 44
 deprecated, 235, 236
 for fonts, 235

sacrificial columns, 408**Scalable Vector Graphics (SVG), 111, 477****schemas**

DTDs, 470
 XML Schemas, 470

scheme attribute of <meta> element, 688**scope attribute, 142****scope attribute, values of**

col, 142
 colgroup, 142
 row, 142
 rowgroup, 142

screen resolution and page size, 377**script to your pages, adding**

<noscript> element, 504
 comments in JavaScript, 503

<script> element, attributes of

charset, 692
 defer, 692

language, 692

src, 692

type, 692

scripting

language, 16

module, 473

scripts writing, practical tips for

external JavaScript files, using, 551

place scripts in a scripts folder, 551

reusable functions, 550

scrollamount attribute

IE-specific, 258

of <marquee> element, 687

scrolldelay attribute, IE-specific, 258**scrolldelay attribute**

IE-specific, 258

of <marquee> element, 687

scrolling attribute of

<frame> element, 214, 674

<iframe> element, 225, 677

scrolling select boxes, creating, 178**search features make sites more usable, 433****search utility, adding, 622****searching for content on a site, 623****Secure Sockets Layer (SSL), 197****select box options, 561****select boxes, 177, 444****select boxes, attributes for, 182****select() method of form element, 512****<select> element, attributes of**

disabled, 693

multiple, 178, 693

name, 178, 693

onblur, 693

onchange, 693

onfocus, 693

size, 178, 693

tabindex, 693

selected attribute of <option> element, 178, 691**selectedIndex property of form element, 512****selectedIndex property, 561**

selectors

selectors

- adjacent sibling, 298
- attribute, 298
- child, 297
- class, 297
- cotextual, 298
- descendent, 298
- id, 297
- overview, 296
- type, 296
- universal, 296
- use of, 296

semantic markup, 10

server side languages

- ASP, 79
- PHP, 79

server-side image map module, 472

server-side image maps, 124

setting cookies, 597

setting default target frames using <base> element, 217

setting the character encoding, 597

shading multiple rows of a table, 435

shape attribute, 85

shapes attribute of <object> element, 690

shared host, 611

shared versus dedicated hosting, 611

single-column layouts, 400

single-line text input controls, 165

site map, creating, 375

site on a server using FTP, putting, 612

site on the Web, putting

- getting domain name, 608
- hosting, 609
- search engine strategies, 614
- statistical analysis, 617
- version control, 619
- Web marketing possibilities, 616

site understanding aspects

- defining your sites content, 374
- grouping and categorization, 375
- key elements for every page, identifying,
377
- new content, 373

- site map, creating, 375

- understanding a sites aims, 372

site, testing

- accessibility checkers, 604
- checking different screen resolutions and
color depths, 604
- checking in different versions of browsers,
606
- development server or live server, 606
- importance of directory structure and
relative URLs, 599
- link checking, 600
- pilot testing, 607
- proofreading, 608
- validating html, xhtml, and css, 599

site, understanding

- defining your sites content, 374
- grouping and categorization, 375
- key elements for every page, identifying,
377

- new content, 373

- site map, creating, 375

- understanding a sites aims, 372

sites for different platforms, creating

- complementary services for different
devices, 493
- database-driven Web sites, 486
- transforming pages using xslt,
492
- working with (not against) the constraints
of device, 485
- XHTML if content or sections of sites are
different, using, 486

size attribute of

- element, 673
- <input> element, 171
- checkbox, 175

source anchor with href attribute, creating, 81

source of Web pages, viewing, 21

span attribute of

- <col> element, 670
- <colgroup> element, 152

spanning columns using colspan attribute, 149

spanning rows using rowspan attribute, 149

specifying ratings, 596

split complement, 101. See also color schemes

src attribute of

<embed> element, 255, 673

<frame> element, 212, 674

<iframe> element, 223, 677

 element, 678

<layer> element, 685

src attribute, 111

SSL (Secure Sockets Layer), 197

standby attribute of <object> element, 120, 690

start attribute

in ordered lists, 56

of element, 678

statements, conditional. See conditional statements

statistics packages, 611

Strict XHTML

document type, 466

XHTML 1.0, 12, 13

Strict XHTML 1.0, 12

<strike> element

as presentational element, 44

deprecated, 235, 236

for fonts, 235

string property of content, 344

structural markup, 10

structure module, 471

structure of page, 25, 29

structuring forms, 190

structuring pages

fixing minimum width of column, 408

nesting tables inside tables, 409

rethinking design for css, 412

sacrificial columns, 408

single-column layouts, 400

three-column layouts, 405

two-column layouts, 403

style

adding, 7

as core attribute, 29, 664

attribute (module deprecated), 473

attribute, 31

introduction to, 391

sheets, 3

style attribute

as core attribute, 31

deprecated, 31

style attribute of

<frame> element, 674

<hr /> element, 676

<isindex> element, 684

style guides, 97

style sheet, coding for, 313

style sheets. See also CSS

external, 271

internal, 271

module, 473

<style> element, 273

<style> element, CSS rules for, 273, 274

styles for Web page design, 391

stylistic markup, 10

<sub> as presentational element, 45

subdirectory, 74

submit button, 565. See also form, introduction to

submit() method of form object, 511

summary attribute, 138

<sup> as presentational element, 44

SVG (Scalable Vector Graphics), 111, 477

switch statement, 526

T

tab index, 456

tabbing order. See focus

tabindex attribute of

<button> element, 669

<fieldset> element, 673

<isindex> element, 684

tabindex attribute of *(continued)*

tabindex attribute of *(continued)*

<marquee> element, 687

<object> element, 120, 690

tabindex attributes, 85, 127

table

<caption> element, adding, 148

accessibility issues, 153

advanced, 146

columns grouping, 151

columns sharing, 152

columns spanning, 150

custom frame with tables, creating, 436

deprecated markup for, 251, 252

for layout, 449

introduction to, 131

linearization, 154

module, 472

multiple rows shading, 435

overview of, 131

row, 132

rows spanning, 150

splitting, 146

table data, 132

table elements

align attribute, 147

char attribute, 148

charoff attribute, 148

valign attribute, 148

table elements and attributes, basic

<table> element creates table, 134

<td> and <th> elements representing
table cells, 140

<tr> element contains table rows, 138

table properties

border-collapse, 336

border-spacing, 338

caption-side, 338

empty-cells, 339

table-layout, 340

table-specific properties, 336

<table> element for creating tables, 134

<table> element, attributes of

align, 694

background, 694

bgcolor, 694

border, 694

bordercolor, 694

bordercolordark, 694

bordercolorlight, 694

cellpadding, 694

cellspacing, 694

cols, 694

frame, 694

height, 694

hspace, 694

nowrap, 694

rules, 694

summary, 694

valign, 694

vspace, 694

width, 694

<table> element, values of

align, 134

bgcolor, 134

border, 134

cellpadding, 134

cellspacing, 134

dir, 134

frame, 134

rules, 134

summary, 134

width, 134

table-layout property

auto, 341

fixed, 341

inherit, 341

tables using head, body, and foot, splitting

<tbody>, 146

<tfoot>, 146

<thead>, 146

table-specific properties

border-collapse, 336

border-spacing, 336

caption-side, 336

empty-cells, 336

table-layout, 336

tags. See also elements

defined, 6

opening tags, 6

target attributes

- blank, 216
- of <form> element, 164, 674
- parent, 216
- self, 216
- top, 216

target property of form object, 510**<td> element**

- CSS rules for, 270
- for table representation, 140

<td> element attributes

- abbr, 140, 695
- align, 140, 695
- axis, 140, 695
- background, 140, 695
- bgcolor, 140, 695
- border, 140, 695
- bordercolor, 140, 695
- bordercolordark, 140, 695
- bordercolorlight, 140, 695
- char, 140, 695
- charoff, 140, 695
- colspan, 140, 695
- headers, 140, 695
- height, 140, 695
- nowrap, 140, 695
- rowspan, 140, 695
- scope, 140, 695
- valign, 140, 695
- width, 140, 695

testing of Web site

- accessibility checkers, 604
- checking different screen resolutions
 - and color depths, 604
- checking in different versions of
 - browsers, 606
- CSS, validating, 599
- development server or live server, 606
- HTML, validating, 599
- importance of directory structure and
 - relative URLs, 599
- link checking, 600
- pilot testing, 607
- proofreading, 608
- XHTML, validating, 599

text

- boxes, 444
- editor, 17, 86
- links, 432
- module, 471

text attribute of

- <body> element, 669
- deprecated elements, 233, 234

text editing. See editing text**text fields**

- checking, 552
- required, 555

text formatting

- color property, 283
- direction property, 290
- letter-spacing property, 288
- text-align property, 284
- text-decoration property, 285
- text-indent property, 286
- text-shadow property, 287
- text-transform property, 288
- unicode-bidi property, 292
- vertical-align property, 284
- white-space property, 290
- word-spacing property, 289

text formatting, basic

- coding for, 40, 42
- headings using hn elements, creating, 35
- line breaks using
 element,
 - creating, 38
- paragraphs using <p> element, creating, 38
- preformatted text using <pre> element,
 - creating, 39
- whitespace and flow, 34

text inputs controls

- multi-line text input control, 165
- password input control, 165
- single-line text input control, 165

text issues

- background images making text hard to
 - read, 424
- fixed size fonts and screen resolution, 426

text issues (*continued*)

text issues (*continued*)

fonts, choosing, 424
 harder to read wide columns of text,
 423
 text alignment, 422
 whitespace for making attractive pages,
 420

text pseudo-classes

first-letter pseudo-class, 292
 first-line pseudo-class, 293

<th> element for table representation, 140

<th> element, attributes of

abbr, 140, 697
 align, 140, 697
 axis, 140, 697
 background, 140, 697
 bgcolor, 140, 697
 border, 140, 697
 bordercolor, 140, 697
 bordercolordark, 140, 697
 bordercolorlight, 140, 697
 char, 140, 697
 charoff, 140, 697
 colspan, 140, 697
 headers, 140, 697
 height, 140, 697
 rowspan, 140, 697
 scope, 140, 697
 valign, 140, 697
 width, 140, 697

three-column layouts, 405

thumbnails, 110

title as core attribute, 29, 664

title attribute as core attribute, 30

title attribute, 30, 86

title attributes of

<frame> element, 674
 <hr /> element, 676
 <isindex> element, 684

title text for form controls, providing, 455

<title> element, 7

tooltip, 71

top attribute of <layer> element, 685

topmargin attribute

IE-specific, 258
 of <body> element, 669

<tr> element containing table rows, 138

Transitional XHTML 1.0, 12, 13

truespeed attribute, IE-specific, 258

<tt> as presentational element, 44

two-column layouts, 403

type attribute of

<button> element, 669
 <embed> element, 255, 673
 <input> element, 171
 element, 672
 <link> element, 272, 686
 <object> element, 690
 <param> element, 121, 666, 691
 checkbox, 175

type attribute

in ordered lists, 55
 use of, 86

type attribute, values of

reset, 170
 submit, 170

type property of form element, 512

type selector, defined, 296

typeface, 277

U

<u> element

as list element, 54
 as presentational element, 44
 deprecated, 236
 for fonts, 236

UI event attributes

archive, 118
 border, 118
 classid, 118
 codebase, 118
 codetype, 118
 data, 118
 declare, 118

 version attribute of <html> element

defined, 33
 height, 118
 hspace, 118
 name, 118
 standby, 118
 tabindex, 118
 usemap, 118
 vspace, 118
 width, 118

UI events

onclick, 29
 ondoubleclick, 29
 onkeydown, 29
 onkeypress, 29
 onkeyup, 29
 onmousedown, 29
 onmousemove, 29
 onmouseout, 29
 onmouseover, 29
 onmouseup, 29

Uniform Resource Locator. See URL**units attribute of <embed> element, 255, 673****universal attributes, 29****universal selector, defined, 296****unordered lists, 53, 54****unselectable attribute, IE-specific, 258****uptime, 611****URL**

<base> element, use of, 80
 components of, 75
 credentials, 76
 encoding, 197
 filepath, 76
 fragment identifiers, 76
 host address, 75
 HTTP, use of, 75
 linking aspects, 73, 74
 overview of, 75
 parts, 76
 scheme, 75

URL encoding feature

in http get method, 197
 in http post method, 198

url property of content, 344**URL, types of**

absolute URLs, 74, 77
 relative URLs, 74, 77

usemap attribute of

 element, 111, 678
 <object> element, 120, 690

UTF-8 character encodings, 737**UTF-16 character encodings, 737****UTF-32 character encodings, 737****V****valign attribute of**

<caption> element, 670
 <col> element, 670
 <colgroup> element, 152, 671
 deprecated elements, 140

value attribute of

<button> element, 669
 <input> element, 171
 element, 672
 <option> element, 178, 691
 <param> element, 121, 666, 690
 checkbox, 175

value attribute, 121, 143**value priorities and resizing Windows, 209****value property**

defined, 9
 of form element, 512

value to variable, assigning, 519**valuetype attribute of <param> element, 121, 690****valuetype attribute, values of**

data, 121
 object, 121
 ref, 121

variables

assigning a value to a variable, 519
 lifetime of a variable, 519

vector graphics. See vector images**vector images, 110****version attribute of <html> element, 676**

verticalPosition, values of

verticalPosition, values of

baseline, 140
 bottom, 140
 middle, 140
 top, 140

View menu, 70

visibility of boxes, values of

collapse, 348
 hidden, 348
 visible, 348

vlink attribute of <body> element, 669

vlink attribute, 247

volume attribute, IE-specific, 258

vspace attribute for formatting, 244

vspace attribute of

<embed> element, 255, 673
 element, 111, 678
 <marquee> element, 687
 <object> element, 120
 deprecated elements, 114
 image object, 515

W

W3C (World Wide Web Consortium), 8

wallpaper, 326

WAP (wireless access protocol), 467

Web

addresses, 3
 authoring tools, 16
 concept of, 2
 design issues, 419
 design, 93
 of structured documents, 2
 working of, 2

Web browsers

Internet Explorer, 7
 Mozilla, 16
 Netscape, 8

Web page

authoring tool, 18, 98
 creating, 7, 17
 default, 3

key elements, identifying, 377
 redirecting, 596
 refreshing, 595, 596
 viewing source of, 21
 writing, 16

Web page elements, placement of

common page elements, 392
 images influence on design, 393

Web page layout

fixed-width, 379
 liquid design, 379, 380
 mixed design, 387
 tables for layout, 382

Web page source, viewing, 21

Web page writing tools

authoring tools, 17
 WYSIWYG, 17

Web page, designing

alignment concerns, 380
 categorization, 375
 content positioning control, 382
 content, 373
 element placement, 388
 fixed-width, 379
 grouping elements, 394
 images, use of, 393
 layout, 371
 liquid design, 379, 380
 mixed design, 387
 navigation aspects, 394
 of content pages, 397
 of home pages, 397
 page elements, 392
 page structuring, 398
 resolution concerns, 377
 site map, creating, 375
 size concerns, 377
 styles, use of, 391
 whitespace, 380

Web page, placement of elements on

common page elements, 392
 images influence on design, 393
 introducing the style, 391

Web safe color palette, 102

Web safe colors, 98

Web server, 3

Web site coloring

- color affecting concerns, 102
- color choosing aspects, 98, 99
- color names, use of, 97
- color scheme, creating, 100, 101
- contrast, 101
- hex codes versus color names, 97
- hex codes, use of, 94
- Web safe color palette, 102

Web site designing. See Web page, designing

Web site menus, features of

- clear separation from content, 427
- consistency, 431
- easy to select, 430

Web site, images adding to. See images to Web site, adding

Web technologies

- CSS, 10
- HTML, 4, 13
- JavaScript, 16
- tools, 16
- XHTML, 12

Web technologies, introduction to

- asp programming, 622
- content management features, 624
- flash, 628
- graphics packages, use of, 628
- jsp programming, 622
- php programming, 622
- server-side language, choosing, 623
- server-side Web programming, 622

What You See Is What You Get. See WYSIWYG

while loop, 528

whitespace and <form> element, 164

whitespace and flow, 34

whitespace collapsing. See whitespace and flow

whitespace, 15

width attribute

- for formatting, 242
- of deprecated elements, 138
- use, 143

width attribute of

- <col> element, 670
- <colgroup> element, 152, 671
- <embed> element, 255
- <hr /> element, 676
- <iframe> element, 224, 677
- element, 111, 678
- <marquee> element, 687
- <multicol> element, 688
- <object> element, 120, 690

width property of image object, 515

wildcard symbol, 209

wireframing. See Web site, placement of elements on

wireless access protocol (WAP), 467

Wireless Markup Language (WML), 467

WML (Wireless Markup Language), 467

World Wide Web Consortium (W3C), 8

WYSIWYG

- editor, 17
- interface, 16

X

XHTML

- and HTML differences, 5
- attributes, 15
- color specifying features, 94
- document structure, 26
- elements, 25
- modularized, 465
- modularizing, 467
- overview, 12
- pages, 3, 22, 23

xhtml 1.1

- differences between xhtml 1.0 and, 474
- modules, 471

XHTML attribute groups

- core, 29
- internationalization, 29
- UI events, 29

XHTML basic

- what xhtml basic includes and leaves out, 476
- xhtml basic, overview of, 475

XHTML elements

XHTML elements

<body>, 25

<head>, 25

<html>, 25

<title>, 25

XHTML lists, types of

definition lists, 54

ordered lists, 54

unordered lists, 53

XHTML on mobile phones

background, 483

mobile access today, 484

XHTML versions

Frameset XHTML 1.0, 12

Strict XHTML 1.0, 12

Transitional XHTML 1.0, 12

XHTML writing

attribute values, 15

elements and attributes, use of,
14

html element as root element,
15

tags use, 14

xml declaration, inclusion of, 13

XHTML, specifying colors in

color names, 94

hex codes, 94

XML (eXtensible Markup Language), 12

xml Declaration for XHTML writing, 13

xml:lang

as core attribute, 664

as internationalization attribute, 29

xml:lang attribute of

<frameset> element, 675

<html> element, 677

<isindex> element, 684

<meta> element, 688

xmlns attribute of <html> element, 677

Z

z-index property for CSS positioning, 415

z-index property, 356

