

SYBEX Index

# Digital Photography Essentials<sup>TM</sup> : Point, Shoot, Enhance, Share

Erica Sadun

## Index

Copyright © 2002 SYBEX Inc., 1151 Marina Village Parkway, Alameda, CA 94501. World rights reserved. No part of this publication may be stored in a retrieval system, transmitted, or reproduced in any way, including but not limited to photocopy, photograph, magnetic or other record, without the prior agreement and written permission of the publisher.

ISBN: 0-7821-4177-3

SYBEX and the SYBEX logo are either registered trademarks or trademarks of SYBEX Inc. in the USA and other countries.

TRADEMARKS: Sybex has attempted throughout this book to distinguish proprietary trademarks from descriptive terms by following the capitalization style used by the manufacturer. Copyrights and trademarks of all products and services listed or described herein are property of their respective owners and companies. All rules and laws pertaining to said copyrights and trademarks are inferred.

This document may contain images, text, trademarks, logos, and/or other material owned by third parties. All rights reserved. Such material may not be copied, distributed, transmitted, or stored without the express, prior, written consent of the owner.

The author and publisher have made their best efforts to prepare this book, and the content is based upon final release software whenever possible. Portions of the manuscript may be based upon pre-release versions supplied by software manufacturers. The author and the publisher make no representation or warranties of any kind with regard to the completeness or accuracy of the contents herein and accept no liability of any kind including but not limited to performance, merchantability, fitness for any particular purpose, or any losses or damages of any kind caused or alleged to be caused directly or indirectly from this book.

Sybex Inc.  
1151 Marina Village Parkway  
Alameda, CA 94501  
U.S.A.  
Phone: 510-523-8233  
[www.sybex.com](http://www.sybex.com)

# Index

---

**Note to the Reader:** Throughout this index **boldfaced** page numbers indicate primary discussions of a topic. *Italicized* page numbers indicate illustrations.

- 
- A**
- A/C adapters, 38
    - defined, 253
    - ports for, 35
  - accessory attachments, 58–59
  - accidents, photos for, 187, 187
  - action shots, focus in, 30
  - activity bar in PhotoDeluxe, 64, 64, 67, 67
  - Add Banner Text dialog box, 224, 224
  - Add button, 82
  - Add Effects dialog box, 223, 223
  - Add Image dialog box, 159
  - Add Slideshow option, 146
  - adhesive fabric, 207
  - Adjust Volume dialog box, 159, 159
  - adjustable zoom lenses, 55
  - Adobe PhotoDeluxe. *See* PhotoDeluxe
  - advanced menus in PhotoDeluxe, 64, 64, 72, 73
  - Advanced Technology Attachment (ATA) architecture, 41, 253
  - air drying prints, 125
  - Alchemedia company, 163–164, 164
  - aliasing, 253
  - alkaline batteries, 36–37, 253
  - Alt.comp.periphs.dcameras newsgroup, 61
  - alterations, approval for, 164
  - aluminum clamp work lights, 16
  - AnandTech Forums site, 36
  - angled poses, 28, 29
  - angles
    - camera, 7–10, 7–10
    - with polarizing filters, 56–57, 57–58
    - for red-eye reduction, 20
  - animation
    - Ceiva for, 170
    - GIF Animator. *See* GIF Animator
    - photo parades for, 215–217, 216
  - anti-aliasing, 253
  - apertures
    - defined, 253
    - for depth of field, 25, 25
  - archiving
    - e-mail images, 156
    - negatives, 51–52
  - artifacts, 253
  - artistic filters, 76
  - aspect ratio
    - defined, 253
    - with photo finishers, 132–133, 132
  - ATA (Advanced Technology Attachment) architecture, 41, 253
  - Attribute toolbar, 222
  - auctions, 185
  - Auto Brightness tool, 89, 89
  - Auto Contrast tool, 89
  - auto-focus lenses, 253
  - auto-focus systems, 29–30
  - Auto Sharpen tool, 88–89, 88
  - automatic corrections, 88–90, 88–89
  - automatic mode for flash, 18
- 
- B**
- background music for slide shows, 147–148
  - backgrounds
    - in cloning, 93
    - color in, removing, 95
    - in composition, 4–6, 5
    - editing, 93–95, 94–96
    - for photo transfers, 194
    - unwanted elements in, 11, 11–12
  - backlight, 13, 13
    - defined, 253
    - exposure compensation for, 22
  - banding, 253
  - banner paper, 207–208
  - barrel distortion, 253
  - batch conversion for e-mail, 157
  - batteries, 35–36
    - alkaline, 36–37
    - for FlashPath, 54
    - lithium, 37
    - nickel-cadmium, 38
    - nickel-metal-hydride, 37–40
    - in red-eye reduction mode, 20
  - battery packs, 38
  - Beat the Clock game, 188
  - Bern Convention, 165
  - B&H Photo site, 36
  - big eyes, 238
  - binding agreements, 164
  - Birthday magic-show animation, 215, 216
  - bitmap (BMP) images, 50, 253
  - black-and-white pictures, colored filters for, 57
  - Black/White effect, 95
  - blemishes
    - diffuse lighting for, 28
    - editing, 96–97, 97
  - blending images, 239, 240
  - blinking in red-eye reduction mode, 20
  - blooming, 253
  - blowing up images, 116–120, 116–119
  - blue floodlights, 75
  - BlueTooth standard, 55, 253
  - Blur More option, 96
  - blurring
    - defined, 253
    - with sharpening, 98
  - BMP (bitmap) images, 50, 253
  - body switches, 248
  - books in home inventories, 188
  - bouncing light, 16
  - breadcrumbs, digital, 189
  - brightness
    - automatic correction of, 89–90, 89
    - for Ceiva images, 169
    - defined, 253
    - for Picture CDs, 142

Bring Forward One option, 74  
 Bring to Front option, 74  
 buddy system for Ceiva images, 169  
 bulbs, 16, 75  
 business uses, Ceiva for, 170  
 busy scenery, 6  
 buying equipment. *See* equipment

---

**C**

cables, 41, 52–53  
 cadmium, 38  
 calendars, 220, 220  
 calling cards, 207  
 camera angles, 7  
   downward, 7–8, 7–8  
   straight-on shots, 10, 10  
   upward, 8, 9  
 Camera Image File Format (CIFF), 50  
 cameras, 34  
   cost and reviews of, 36  
   manuals for, 60  
   memory for. *See* memory  
   optical components for, 35, 55–59, 57–58  
   pixel resolution in, 34–35  
   portability of, 35  
 canvas  
   for photo transfers, 194  
   size of, 75  
 captions  
   for photo parades, 216–217  
   for photo transfers, 194  
 capturing  
   defined, 253  
   old photos, 202–203, 203  
 card readers, 53, 53  
 caricatures, 238  
 cars, shopping for, 184  
 cartoons, 248  
 CCDs (charge couple devices), 253  
 CD-Rs (recordable CDs), 46  
   in home inventories, 188  
   Picture. *See* Picture CDs  
   saving images on, 51  
 Ceiva picture frame, 165–166  
   accounts for, 167  
   ideas for, 170  
   image preparation for, 166  
   posting pictures to, 167–168  
   settings in, 168–169, 169  
   upcoming features, 170–171

Ceiva 2 picture frame, 171  
 center-weighted exposure, 21  
 CF (compact flash) cards, 41–42, 42, 254  
 Cha Cha method, 110  
 chairs for angled poses, 28  
 Changeable dialog box, 225–226  
 charge couple devices (CCDs), 253  
 charging NiMH batteries, 39  
 checklists for presentations, 180  
 chins, 27, 27  
 Choose a Folder dialog box, 141, 141  
 CIFF (Camera Image File Format), 50  
 Circle tool, 77  
 clamp work lights, 16  
 Clean Up JPEG option, 69  
 Klik! disks, 46  
 clip art, 193  
 Clone tool, 91–93, 97  
 cloning, 91–93, 92–93, 253  
 Close Session option, 139  
 clothes, labels for, 201  
 clouds, launching people into, 212–215, 212–215  
 clown noses, 242–243, 242–243  
 clues, Ceiva for, 170  
 CMOS (complementary metal-oxide semiconductor), 41, 254  
 CMYK color standard, 254  
 coasters, 197, 197  
 cold temperatures  
   batteries for, 37  
   as memory card hazard, 47–48  
 collage projects, 247–249, 247, 249  
 color background, removing, 95  
 color controls in PhotoDeluxe, 76  
 Color Mailer photo finisher, 130  
 color temperature, 254  
 Color Wand tool, 77, 81–82, 81  
 colored filters, 57  
 Coloring Book activity, 218–220, 218–219  
 communicating with pictures, 177–178, 177  
 compact flash (CF) cards, 41–42, 42, 254  
 Compact quality setting, 48  
 comparison shopping, 183–185  
 Compilation Info option, 145  
 complementary metal-oxide semiconductor (CMOS), 41, 254

components, optical, 35, 55–59, 57–58  
 composition, 1–2  
   background in, 4–6, 5, 11, 11–12  
   camera angle in, 7–10, 7–10  
   distance from subject in, 2, 2  
   framing, 6, 6  
   orientation in, 10, 10  
   rule of thirds in, 3–4, 4  
   subject facing in, 11, 11  
 compounded losses with JPEG images, 71  
 compression  
   defined, 254  
   for e-mail images, 156  
   for fractal format, 117  
   schemes for, 48–49, 71  
 CompuPic Pro program, 138–139, 138, 155  
 concrete images in communication, 178  
 conditioning NiMH batteries, 39  
 cone heads, 238  
 consensus building, 184  
 contacts on memory cards, 48  
 continuous tones, 254  
 contrast  
   automatic correction of, 89  
   defined, 254  
   for Picture CDs, 142  
 controllers on memory cards, 42–43, 42  
 conversation for relaxing subjects, 26  
 conversions for e-mail, 157  
 Copy option for Picture CDs, 142  
 copying images, 98  
 copyrights, 160, 164–165  
 cost of cameras, 36  
 Costco photo finisher, 130  
 Crackle filter, 95, 96  
 crafts projects, 191  
   digital photos from old prints, 202–204, 203  
   fashions, 192–196  
   greeting cards, 197–200, 197–200  
   labels, 200–203  
   lamination, 196–197, 196–197  
   materials for, 205–209, 208  
   photo wheels, 204–205, 205  
 Create as Banner Text option, 224  
 Create DVD option, 149

Create Picture CD dialog box, 138, 138  
 Create Slideshow window, 146–147, 147  
 Create Thumbnail Web Pages dialog box, 140  
 credit card purchases, 36  
 cropping, 132, 133  
 cross-eye viewing method, 112  
 crowds, panoramas for, 109  
 Cursors dialog box, 77  
 cutting out prints, 128  
 Cyber Frame memory cards, 45

---

**D**  
 damaged goods, photos for, 184–187, 187  
 darkness, shooting in, 17–18, 18–19  
 dates  
   in memory, 50  
   for photo folders, 51  
 decals, 205  
 decoration, panoramas for, 109  
 delay time for slide show images, 147  
 Delete Background button, 78  
 deleting. *See* removing  
 depth of field, 22–25, 23–25  
   defined, 254  
   with frames, 6  
   with zoom lenses, 56  
 derivative works, 160  
 descriptions in photo folders, 51  
 designing photo transfers, 193  
 development labs, 129–130  
 diffuse lighting, 28  
 Digicam page, 60  
 Digimarc Corporation, 161  
 digital accuracy, 254  
 digital breadcrumbs, 189  
 Digital Camera Resource page, 36, 60  
 digital camera speed, 254  
 Digital Photography (For What It's Worth) site, 60  
 digital wallets, 47  
 digital zoom lenses, 55, 254  
 digitization, 254  
 discount photo developers, 130  
 disguises, 247, 247  
 disk storage, 46

distance  
   in depth of field. *See* depth of field  
   with flashes, 18, 19  
   for panoramas, 108  
   from subject, 2, 2  
 Distort option, 74, 75  
 distortion  
   iWarp for, 236–238, 236–238  
   Ripple filter for, 95, 95  
 dithering  
   defined, 254  
   in printing, 123  
 divine ratio, 3  
 documentation, photos for, 187, 187  
 double chins, 27, 27  
 downward camera angle, 7–8, 7–8  
 drawers  
   in home inventories, 187–188  
   labels for, 201  
 drivers for FlashPath, 54  
 dual-CCD digital cameras, 110  
 duct tape, 16  
 DVD PictureShow, 146–149, 147–149  
 DVD players  
   for slide shows, 146–149, 147–149  
   VCD support by, 143  
 dye-sublimation printers, 123, 254  
 dynamic range, 254

---

**E**  
 e-mail, 156  
   batch conversion for, 157  
   for GIF Animator animations, 227, 227  
   image size for, 156–157  
   from PhotoIsland site, 235  
   tips for, 157–158  
   WebTV, 154  
 e-mail uploads, 134  
 edges  
   feather, 78, 78  
   for photo transfers, 194  
 Edit menu in PhotoDeluxe, 73  
 Edit tab in GIF Animator, 222  
 editing, 87  
   approval for, 164  
   automatic corrections, 88–90, 88–89  
   backgrounds, 93–95, 94–96  
   blemishes, 96–97, 97  
   brightness, 89–90, 89  
   contrast, 89  
   focus, 88–89, 88, 97–99  
   red-eye, 90–91, 91  
   selections, 81–82, 81  
   unwanted elements, 91–93, 92–93  
 effects  
   in GIF Animator, 223–224, 224  
   in PhotoDeluxe, 76, 76  
   PhotoIsland. *See* PhotoIsland site  
 Effects menu, 76, 76  
 Eject When Complete option, 139  
 electronic watermarks, 161–163, 162–163  
 Embed Watermark dialog box, 162, 162  
 Emboss filter, 95, 96  
 energy-conservation mode, 40  
 equalization, 254  
 equipment, 33  
   accessory attachments, 58–59  
   cameras, 34–36  
   memory. *See* memory  
   optical components, 55–59, 57–58  
   photo-transfer hardware, 52–55, 53–54  
   for portrait studios, 16  
   power sources, 36–40  
 events, photos for, 186  
 evidence, photos for, 184–186  
 Excel for slides, 180  
 Exchangeable Image File Format (EXIF), 50  
 EXIF headers, 179  
 Export dialog box, 71  
 Export Animation Package dialog box, 227, 227  
 exporting images to GIF Animator, 225–227, 227  
 exposure compensation, 21–22, 254  
 exposure meters, 254  
 exposure times, 20–21, 20–21, 30  
 Extensis tools, 88  
 external flash systems, 20  
 eyeglasses, 27–28  
 eyes as sharpness guide, 98  
 ez prints photo finisher, 130

- 
- fabric for photo projects, 207
- Face Bingo, 189
- faces in e-mail, 157
- facial blemishes
- diffuse lighting for, 28
  - editing, 96–97, 97
- facial distortions, 238
- false memory, photos for, 183–184
- family books, transfers for, 196
- fashion help, 176. *See also* photo fashions
- Feather dialog box, 78, 78
- feathering
- defined, 254
  - in PhotoDeluxe, 78, 78, 82
- File menu in PhotoDeluxe, 73
- filters
- artistic, 76
  - for backgrounds, 93–95, 94–96
  - colored, 57
  - defined, 254
  - for focus, 97–99
  - infrared, 58
  - polarizing, 28, 56–57, 57–58
  - specialty, 57
  - ultraviolet, 56
- Fine quality setting, 48
- fire hazards, 16
- FireWire connections, 53
- firmware memory, 41
- first-curtain flash, 254
- fish-eyes lenses, 254
- fixed-focus lenses, 254
- fixed zoom lenses, 55
- Flash animation, 230
- flash memory cards, 41–45, 42–45
- flashes
- for backlighting, 13, 13
  - as camera purchase factor, 35
  - for capturing old photos, 203
  - for indirect lighting, 14
  - for labels, 201
  - as light source, 18, 18–19
  - in portrait studios, 17
  - power consumption by, 40
  - red-eye from, 19–20, 19
- FlashPath, 54, 54, 255
- flattering photos, 27–28, 27
- flaws, removing, 91–93, 92–93
- Flip Horizontal option, 68
- flip print style, 116
- Flip Vertical option, 68
- 
- F** floodlight bulbs, 16, 75
- floppy disks, 46
- fluorescent lights
- correcting for, 89–90
  - in portrait studios, 17
- fly-around capabilities, 105–107, 105
- focal length, 255
- focus, 29–30
- automatic correction of, 88–89, 88
  - depth of field in. *See* depth of field
  - with frames, 6
  - sharpening filter for, 97–99
- folders, labels for, 201
- fonts with OCR, 182
- forced flash, 255
- formats, 49–50, 50
- for Ceiva picture frame, 166
  - for e-mailing images, 156
  - for storage, 51
- formatting memory cards, 48
- fractals
- for blowing up images, 116–120, 116–119
  - defined, 255
- Frame Properties dialog box, 223, 223
- framing, 6, 6
- freehand tools, 82
- FTP sites, 134
- Full 360 Degree Panorama option, 105
- Funhouse service, 234–235, 234
- furnishings in home inventories, 188
- furniture, shooting behind and under, 174
- fuses in NiMH batteries, 40
- fuzzy pictures, 97–99
- 
- G** games, 188–189
- gamma correction, 255
- garages in home inventories, 188
- gardens, panoramas for, 109
- Genuine Fractals PrintPro, 116–120, 116–119
- Get & Fix Photo activity bar, 65, 67, 67
- Get Photo option, 65
- Get Well cards, 197–200, 197–200
- GIF (Graphics Image Format), 255
- GIF Animator, 221
- creating animations in, 222–223, 223–224
  - e-mailing animations from, 227, 227
  - importing images to, 225–227, 225, 227
  - starting, 221–222, 221
  - text effects in, 223–224, 224
- GIF89a standard, 255
- glare, 56–57, 57–58
- glasses, 27–28
- glossy photo paper, 124–125
- golden ratio, 3
- graininess, 69
- Graphic Converter program, 155, 157
- Graphics Image Format (GIF), 255
- grayscale, 255
- greeting cards
- Ceiva for, 170
  - creating, 197–200, 197–200
- 
- H** handles for images, 66
- hazards
- lamps, 16
  - for memory cards, 47–48
  - NiMH batteries, 40
- head shot transformations, 241
- clown noses, 242–243, 242–243
  - Mona Lisa, 246–247, 247
  - swelled heads, 244, 245
  - switching heads, 245–246, 246
- heat
- from lamps, 16
  - as memory card hazard, 47–48
- “Hello My Name Is” badges, 178
- high-contrast images for Ceiva picture frame, 166
- hold harmless agreements, 164
- home portrait studios, 15–17, 17
- homes
- inventories for, 186–188
  - panoramas for, 109
  - shopping for, 183
- horizon in outdoor shots, 8, 8
- horizontal orientation, 10, 10
- horizontal resolution, 255
- hue, 255

ID badges, 197  
 identification codes for  
     watermarks, 161  
 IEEE-1394 standard, 53, 255  
 Image Attribute options, 162  
 ImageBridge services, 161  
 Images from File option, 146  
 iMontage, 240–241, 241  
 iMorph, 239, 240  
 indirect light  
     for capturing old photos, 203  
     working with, 13–14, 14–15  
 Info dialog box, 145  
 infrared (IR) filters, 58, 255  
 infrared sensitivity, 58  
 infrared transfer, 54–55  
 ink-jet printers, 122–123, 255  
 installing plug-ins, 117  
 Instant Fix tools, 68, 75, 88  
 integrated printing with Ceiva, 171  
 IntelliFix option, 68, 88  
 interlacing images, 116  
 internal memory, 41  
 interpolated resolution, 34  
 inventories, 186–188  
 inverse-square law, 18  
 Invert option, 74  
 inverting in PhotoDeluxe, 82  
 invitations, Ceiva for, 170  
 IR (infrared) filters, 58, 255  
 iris, 25, 25  
 iron-on transfers. *See* photo  
     fashions  
 ironing tips for photo transfers, 195  
 iWarp, 236–238, 236–238

jigsaw puzzles, 206  
 jokes, Ceiva for, 170  
 Joliet File System option, 139  
 JPEG (Joint Photographic Experts  
 Group) format images, 50–51  
     cleaning up, 69  
     compounded losses from, 71  
     defined, 255  
 JPEG-2000 format, 50, 50, 255  
 JPEG Compress program, 157  
 JPEG Cruncher program, 157  
 JPEG Optimizer program, 157  
 JPEG Wizard program, 157

Kelvin measurement, 255  
 Kmetz, Lisa, 202  
 Kodak Guide to Better Pictures  
     page, 60

labels, 200–203  
 lamination creations, 196–197,  
     196–197  
 landmarks, 175  
 landscape orientation, 10, 10, 255  
 laser printers, 123, 255  
 laughter for relaxing subjects, 26  
 Launch Web Browser When  
     Complete option, 141  
 launching people into clouds,  
     212–215, 212–215  
 laundry as memory card hazard, 47  
 layers, 83  
     creating, 83–84, 83  
     defined, 255  
     working with, 84–85, 84–86  
 Layers palette, 72, 84  
 layout of photo transfers, 193  
 LCD (liquid crystal display)  
     screens, 3  
     defined, 255  
     power consumption by, 40  
 leading look, 11, 11  
 lenses  
     as camera purchase factor, 35  
     macro, 202–203  
     zoom, 55–56  
 lenticular prints, 115–116, 255  
 lighting, 12  
     automatic correction of,  
         89–90, 89  
     backlight, 13, 13  
     for capturing old photos, 203  
     exposure compensation, 21–22  
     for focus, 30  
     indirect light, 13–14, 14–15  
     long exposures, 20–21, 20–21  
     low light, 17–18, 18–19  
     red-eye from, 19–20, 19  
     time of day, 14  
     unnatural light, 15–17, 17  
     window, 15, 15  
 Lighting Effects dialog box, 243,  
     243  
 Linux connections, 53

**K** liquid crystal display (LCD)  
     screens, 3  
     defined, 255  
     power consumption by, 40  
 lithium batteries, 37, 255  
 locking Ceiva images, 169, 169  
 logs for pictures, 51  
 long exposures, 20–21, 20–21  
 lorgnettes, 112, 112  
 lossless compression  
     defined, 256  
     for fractal format, 117  
 Lossless Image Modification option,  
     140  
 lossy compression  
     defined, 256  
     with JPEG images, 71  
 low-light conditions  
     IR filters for, 58  
     working in, 17–18, 18–19  
 low-resolution pictures, 51–52  
 low-tech panoramas, 107, 107  
 luminance, 256

**M** macros lenses  
     for capturing old photos,  
         202–203  
     defined, 256  
 magnetic sheets, 207  
 mail for photo finishing, 134  
 Make Flash File Options dialog, 230  
 manuals, 60  
 maps, 175  
 MarcSpider imagetracking service,  
     163  
 materials for craft projects,  
     205–209, 208  
 meeting notes, 176  
 megapixel cameras, 256  
 megapixels, 34  
 memories, photographs for, 177  
 memory, 40  
     caring for, 47–48  
     digital wallets, 47  
     disk storage, 46  
     flash memory cards, 41–45,  
         42–45, 255  
     image formats for, 49–50, 50  
     internal, 41  
     managing, 48–49, 49  
     saving images in, 51–55

memory, charge-level, in  
 rechargeable batteries, 37–40  
 menus in PhotoDeluxe, 64, 64,  
 73–77, 73–76  
 Merge Layers option, 85  
 merging  
 images, 234–235, 234  
 layers, 85  
 microdrives, 46  
 MindStor unit, 47  
 Miniature Cards, 44  
 Mirage product, 163–164, 164  
 MMC (MultiMedia Cards), 44, 256  
 MMCA (MultiMedia Card  
 Association), 44  
 moire artifact  
 defined, 256  
 reducing, 69  
 Mona Lisa, 246–247, 247  
 montages, 240–241, 241  
 moods, photo wheels for, 204, 205  
 Motion Blur effect, 213, 213  
 MotoPhoto photo finisher, 129  
 mountains, panoramas for, 109  
 moving day, photos for, 186  
 moving images  
 in PhotoDeluxe, 66, 66  
 for Picture CDs, 140  
 Mr. Refrigerator Head, 207  
 MultiMedia Card Association  
 (MMCA), 44  
 MultiMedia Cards (MMC), 44, 256  
 multiple pictures  
 importance of, 31  
 printing, 126–127, 127  
 for red-eye reduction, 20  
 music for videos, 153  
 Mystic Color Lab photo finisher, 129

---

**N**

names for VCDs, 145  
 narrated slide shows, 158–160,  
 158–160  
 National Television Standards  
 Committee (NTSC) format,  
 179, 256  
 natural frames, 6, 6  
 natural poses, 26  
 natural sunlight  
 print damage from, 125  
 working with, 12–13  
 nature, panoramas for, 109  
 negatives, saving, 51–55

Nero 5.5 for VCDs, 144–145, 145  
 Nero Wizard Burn CD dialog box,  
 145, 145  
 neutral shots, 10, 10  
 newsgroups, 60–61  
 Next Chapter button, 145  
 NiCd (nickel-cadmium) batteries,  
 38, 256  
 NiMH (nickel-metal-hydride)  
 batteries, 37–38  
 charging, 39  
 conditioning, 39  
 defined, 256  
 overcharging, 40  
 No Filename Version Numbers  
 option, 139  
 no light condition, 17–18, 18–19  
 noise  
 defined, 256  
 in focus, 30  
 in PhotoDeluxe, 68–69, 69  
 Normal quality setting, 48  
 noses  
 clown, 242–243, 242–243  
 in flattering photos, 27  
 notes, photographing, 176, 181–183  
 NTSC (National Television  
 Standards Committee) format,  
 179, 256

---

**O**

object information in GIF Animator,  
 222  
 Object Selection tool, 77  
 OCR (Optical Character  
 Recognition), 182–183, 256  
 Ofoto photo finisher, 129  
 old prints, digital photos from,  
 202–204, 203  
 online auctions, 185  
 online photo finishing sites, 251–252  
 online purchases, 36  
 Open File option, 65  
 Open Image File dialog box, 223  
 Open Photo bin, 64, 64  
 Open Source Images option, 104  
 opening photos in PhotoDeluxe,  
 65, 65  
 Optical Character Recognition  
 (OCR), 182–183, 256  
 optical components, 35, 55  
 filters, 56–59, 57–58  
 zoom lenses, 55–56

optical zoom lenses, 55, 256  
 Optimize tab in GIF Animator, 222  
 orientation, 10, 10  
 for Ceiva images, 169  
 in Cyber Frame, 45  
 for e-mail images, 158  
 in PhotoDeluxe, 67–68  
 for Picture CDs, 140, 142  
 in printing, 126  
 for slide show images, 147  
 Orientation menu in PhotoDeluxe, 74  
 Other Export option, 71  
 outdoor shots, camera angles in, 8, 8  
 outside photos for home  
 inventories, 188  
 Oval tool, 77  
 ovals for photo transfers, 194  
 overcharging NiMH batteries, 40  
 overexposed images, 22  
 overseas developer labs, 130

---

**P**

packing list, 59  
 PAL (Phase Alternation Line)  
 format, 179, 256  
 panoramas, 102  
 banner paper for, 207  
 defined, 256  
 ideas for, 109  
 low-tech, 107, 107  
 with PhotoDeluxe, 102–103,  
 102–103  
 with PhotoVista, 104–106,  
 105–106  
 tips, 108, 108  
 paper, 124–125  
 parades, 215–217, 216  
 parallax, 109  
 parking lot reminders, 175, 175  
 PC cards, 44, 256  
 PDAs with Ceiva, 170  
 PDD format, 70, 256  
 Personal Picture Maker, 45  
 Perspective option, 74  
 Phase Alternation Line (PAL)  
 format, 179, 256  
 Phi ratio, 3  
 Photo CDs, 137  
 photo fashions, 192  
 item selection in, 192  
 transfers for  
 designing, 193  
 ideas for, 195–196

- ironing tips for, 195
- preparing, 194
- printing, 194–195
- photo finishers, 128
  - aspect ratio with, 132–133, 132
  - choosing, 128–129
  - development labs, 129–130
  - discount developers, 130
  - ordering prints from, 133–135
  - overseas labs, 130
  - resolution with, 130–131
  - sites for, 251–252
  - small businesses, 130
  - Web-based, 129
- photo folders, 51
- photo labels, 200–203
- photo paper, 124–125
- photo parades, 215–217, 216
- Photo Printer, 45
- Photo Size option, 75
- photo-transfer hardware, 52
  - cables, 52
  - card readers, 53, 53
  - FlashPath, 54, 54
  - wireless transfer, 54–55
- Photo Viewer, 142
- photo wheels, 204–205, 205
- photo window in PhotoDeluxe, 64, 64
- PhotoAccess photo finisher, 129
- PhotoDeluxe, 63–64
  - for collage projects, 247–249, 247, 249
- Get & Fix Photo activity bar in, 67, 67
- images in
  - advanced processing of, 72, 73
  - editing. *See* editing
  - exporting to GIF Animator, 225–227, 225, 227
  - feather edges in, 78, 78
  - head shot transformations. *See* head shot transformations
  - moving and resizing, 66, 66
  - noise removal from, 68–69, 69
  - opening, 65, 65
  - orientation of, 67–68
  - resizing, 69–70, 70
  - rotating, 66–68, 66–68
  - saving, 70–72
- Instant Fix tools in, 68, 68
- layers in, 83–85, 83–86
- menus in
  - Edit, 73
  - Effects, 76, 76
  - File, 73
  - Orientation, 74
  - Quality, 75
  - Select, 73–74
  - Size, 74–75, 75
  - Tools, 74, 74
  - View, 77
- panoramas with, 102–103, 102–103
- requirements for, 65
- selections in. *See* selections
- PhotoFlood bulbs, 16
- photographic-quality paper, 256
- PhotoIsland site
  - e-mailing from, 235
  - Funhouse service, 234–235, 234
  - iMontage, 240–241, 241
  - iMorph, 239, 240
  - iWarp, 236–238, 236–238
  - postcards on, 235–236
- PhotoViewer, 142, 142
- PhotoVista, 104–106, 105–106
- PICT format, 256
- Picture CDs, 137
  - CompuPic Pro for, 138–139, 138
  - software for, 142, 142
  - with unsupported hardware, 139–141, 139, 141
  - uploading images from, 143
- Picture Off option, 167
- PictureTray program, 157
- pillowcases, transfers for, 196
- pixel resolution, 34–35
- pixels, 34, 256
- pixels per inch (ppi), 34
- plain paper, 124
- PlayStream site, 160
- plug-ins, 117, 134
- Pointillize filter, 94, 94
- polarizing filters, 56–57, 57–58
  - defined, 256
  - for eyeglass reflections, 28
- political photographers, 7
- Polygon tool, 77
- portability of cameras, 35
- portrait orientation, 10, 10
  - backgrounds in, 6
  - defined, 256
- portrait poses, 28, 29
- portrait studios, 15–17, 17
- poses, 26
  - for flattering photos, 27–28, 27
  - relaxing subjects, 26
  - standard, 28, 29
- postcards on PhotoIsland site, 235–236
- power sources, 36
  - A/C adapters, 38
  - batteries, 36–40
  - solar power packs, 38–39
  - tips for, 40
- PowerPoint for slides, 180
- ppi (pixels per inch), 34
- practicing presentations, 181
- Preview tab in GIF Animator, 222
- previewing e-mail images, 156
- Print dialog box, 126–128, 126
- Print Multiple dialog box, 126–127, 127, 208, 208
- print-on sticker blanks, 208
- Print Preview option, 126
- print size-to-pixel resolution chart, 131
- printers, 122–123
- printing, 121, 125
  - 3D images, 115–116
  - with Ceiva, 171
  - cutting out prints, 128
  - many photos, 126, 127
  - one photo, 126, 126
  - paper for, 124–125
  - photo finishers for. *See* photo finishers
  - photo transfers, 194–195
  - printers for, 122–123
  - quality of, 34, 126
  - size in, 127–128, 127
- professor shots, 27
- proprietary image formats, 50
- props
  - in PhotoDeluxe, 80
  - for portrait studios, 16
  - for relaxing subjects, 26
- protecting photos, 160
  - from replication, 163–164, 164
  - subject waivers for, 164
  - watermarks for, 161–163, 162–163
- purchases, camera. *See* equipment
- purchasing decisions, photos for, 184

---

quality in printing, 34, 126  
 Quality menu in PhotoDeluxe, 75  
 quilts, 102  
   defined, 257  
   transfers for, 195–196

---

range of depth of field, 25, 25  
 Read Watermark option, 162  
 readers, 53, 53  
 real estate, shopping for, 183  
 rear views, 174  
 Rec.photo.digital newsgroup, 60  
 Rec.photo.technique newsgroup, 61  
 rechargeable batteries, 37–40  
 recordable CDs (CD-Rs), 46  
   in home inventories, 188  
   Picture. *See* Picture CDs  
   saving images on, 51  
 Recording and Deposit System  
   page, 165  
 Rectangle tool, 77  
 red-eye  
   defined, 257  
   reducing, 19–20, 19  
   removing, 90–91, 91  
 red-eye reduction mode, 19–20, 257  
 Reduce button, 82  
 Reduce Graininess option, 69  
 redundancy in e-mail images, 158  
 reflections  
   for eyeglasses, 28  
   polarizing filters for, 56–57,  
   57–58  
 refrigerator magnets, labels for, 201  
 refrigerator reminders, 207  
 relaxing subjects, 26  
 reminders  
   Ceiva for, 170  
   parking lot, 175, 175  
   refrigerator, 207  
 removable media, 257  
 Remove Fluorescent Light  
   option, 90  
 Remove Moire option, 69  
 Remove Noise option, 69  
 Remove Red Eye option, 90  
 removing  
   background color, 95  
   noise, 68–69, 69  
   Picture CD images, 140  
   pictures, 48–49, 49

**Q**  
 slide show images, 147  
 unwanted elements, 91–93,  
   92–93  
 replication, protecting photos from,  
   163–164, 164  
 resizing images, 66, 66, 69–70, 70  
 resolution  
   in cameras, 34–35  
   defined, 257  
   with photo finishers, 130–131  
   of pictures, 48–49  
 resources, 60–61  
 Reverse Frame Order dialog box,  
   223, 223  
 reverse printing for photo transfers,  
   194–195  
 reviews, camera, 36  
 RGB standard, 257  
 rights, 164  
 ring size, 58–59  
 Ripple filters, 95, 95  
 Rock and Roll method, 110  
 rotary paper cutters, 128  
 Rotate & Size button, 67  
 Rotate Left option, 68  
 Rotate Right option, 68  
 rotating  
   for panoramas, 108  
   in PhotoDeluxe, 66–68, 66–68  
   slide show images, 147  
 ruggedness of cameras, 35  
 rule of thirds, 3–4, 4  
 rulers for photo transfers, 194

---

**S**  
 safety hazards  
   lamps, 16  
   for memory cards, 47–48  
   NiMH batteries, 40  
 SanDisk card readers, 53, 53  
 Save option for Picture CDs, 142  
 Save Panorama dialog box, 105, 105  
 saving  
   in fractal format, 117–118  
   panoramas, 105  
   in PhotoDeluxe, 70–72  
   pictures, 51–55  
 scalable textures, 117  
 scaling in panoramas, 108  
 scan converters, 155  
 scanners for capturing old  
   photos, 203  
 Scavenger Hunt game, 189

schedules, photographing, 175  
 scrapbook tools, 128  
 screen mirroring, 154–155  
 second-curtain flash, 257  
 segment metering, 71  
 Select All option, 73  
 Select menu in PhotoDeluxe, 73–74  
 Select None option, 73  
 Selection Fill dialog box, 242  
 Selection Tools option, 74  
 selections  
   Ceiva images, 168  
   for cloning, 92–93, 92  
   in PhotoDeluxe, 66  
   changing, 81–82, 81  
   feather edges, 78, 78  
   filters in, 76  
   SmartSelect, 79–80, 79–80  
   summary, 82  
   tools for, 77–78  
 Selections palette, 72, 81  
 Send Back One option, 74  
 Send to Back option, 74  
 serial cable transfer, 41, 52, 257  
 Settings page, 167  
 setup for portrait studios, 16  
 shade for indirect lighting, 14, 14  
 shapes in PhotoDeluxe, 82  
 sharpening filter, 97–99  
 sheets  
   for portrait studios, 16–17  
   transfers for, 196  
 shelf life of batteries, 37  
 ShockWave Flash movies, 230  
 shopping, photos for, 183–185  
 shopping lists, 176  
 Short Courses, 60  
 Show Layers option, 72, 83  
 Show Selections option, 72  
 shrink materials for photo projects,  
   206  
 shrinking images in PhotoDeluxe,  
   66  
 Shrinky Dinks, 206  
 Shutterfly photo finisher, 129  
 shyness, overcoming, 32  
 silver-halide paper, 257  
 simplicity  
   for communicating, 178  
   for labels, 201  
   for photo transfers, 193  
 Size menu in PhotoDeluxe, 74–75, 75  
 size of images, 48  
   blown up, 119

in e-mail, 156–157  
 with photo finishers, 131  
 of photo transfers, 193  
 in printing, 127–128, 127

sky scenes, 56–57, 57–58

skylight Filters, 56

Slide Show option, 142

Slide Show Interval option, 167

slide shows  
 in Ceiva. *See* Ceiva picture frame  
 DVDs for, 146–149, 147–149  
 narrated, 158–160, 158–160  
 photo parades for, 215–217, 216  
 presentations, 178–181

slow-exposure modes, 20

slow-synch flash, 257

small business photo finishers, 130

smart media, 43, 43, 257

SmartSelect tool, 78–82, 79–80

Smoothness setting, 69

Smudge tool, 96, 243–244

soft edges for photo transfers, 194

software in home inventories, 188

SOHO product, 116

solar NiMH chargers, 39

solar power packs, 38–39, 257

Solid-State Floppy Disk Cards (SSFDC), 43

sound memos in Cyber Frame, 45

special effects  
 in GIF Animator, 223–224, 224  
 in PhotoDeluxe, 76, 76  
 in PhotoIsland. *See* PhotoIsland site

special-purpose paper, 125

specialty filters, 57

sports cards, 196–197, 196

SpotLife site, 160

Square tool, 77

SSFDC (Solid-State Floppy Disk Cards), 43

stand-alone applications for  
 uploading images, 134

standard poses, 28, 29

steadiness for focus, 30

step-up and step-down rings, 59

stereo images, 257. *See also* 3D images

stereopsis, 109

Steve's Digidig page, 60

stick memory, 43, 43, 257

stickers, 208

StillMotion Creator, 228–230, 228–230

Stitch Options dialog box, 105

Stop Slide Show option, 142

storage media, 51–52

straight-on shots, 10, 10

streaming video, 158–160, 158–160, 257

stretching images, 66

subject facing, 11, 11

subject waivers, 164

sunglasses, polarized, 57

sunlight  
 print damage from, 125  
 working with, 12–13

sunset shots, 14

Support Long Filenames option, 139

---

Tagged Image File Format (TIFF), 49, 51, 257

talking for relaxing subjects, 26

targeting for focus, 30

tattoos, 208–209

telephoto lenses, 55, 257

temperature  
 and batteries, 37  
 of lamps, 16  
 as memory card hazard, 47–48  
 for paper storage, 124

Test CD Writer option, 139

testing photo transfers, 195

text  
 in GIF Animator, 224, 224  
 for greeting cards, 198–200, 199  
 OCR for, 182  
 of photo transfers, 193

Text Tool dialog box, 198, 199

texture  
 Emboss filter for, 95, 96  
 scalable, 117

thirds, rule of, 3–4, 4

3D fly-around capabilities, 105–107, 105

3D images  
 creating, 109–110  
 printing, 115–116  
 side by side images for, 111, 111  
 viewing, 112  
 lorgnettes for, 112  
 viewers for, 113–115, 113–114

thumbnails  
 for Picture CDs, 140–141  
 for VCDs, 145

thumbs in pictures, 32

TIFF (Tagged Image File Format), 49, 51, 257

time of day issues, 14

timelines in GIF Animator, 222

times in memory, 50

tips, 31–32

titles  
 for photo parades, 217  
 of slide show images, 147

toolbars  
 in GIF Animator, 222  
 in PhotoDeluxe, 64–65, 64–65

Tools menu in PhotoDeluxe, 74, 74

Tools panel in GIF Animator, 222

toy boxes, labels for, 201

toys, photographing, 176, 176

Trace tool, 77, 82

transfers for photo fashions  
 designing, 193  
 ideas for, 195–196  
 ironing tips for, 195  
 preparing, 194  
 printing, 194–195

transformation projects, 211  
 calendars, 220, 220  
 Coloring Book activity, 218–220, 218–219  
 GIF Animator. *See* GIF Animator

head shots. *See* head shot

transformations  
 launching people into clouds, 212–215, 212–215  
 photo parades, 215–217, 216  
 with StillMotion Creator, 228–230, 228–230

travel photos, 248, 248

“tree growing out of someone’s head” shots, 11, 12

Trim option, 74

Trim & Size option, 68–70, 70

tripods  
 for 3D images, 110  
 for focus, 30  
 for long exposures, 20–21, 21  
 for panoramas, 108

TV-out ports  
 defined, 257  
 screen mirroring with, 154–155

---

Ulead VideoStudio, 158–160,  
158–160

ultraviolet (UV) light  
filters for, 56, 257  
print damage from, 125

Undo function with sharpening, 98

United States Copyright Home  
Page, 165

Universal Serial Bus (USB) transfer,  
41, 53, 258

unnatural light, 15–17, 17

unusual conditions, photos for,  
184–185

unwanted elements

background, 11, 11–12  
removing, 91–93, 92–93

updating Ceiva picture frame, 168

uploading images, 134  
for Ceiva, 168  
Picture CD, 143

upward camera angle, 8, 9

USB card readers, 53, 53

USB (Universal Serial Bus) transfer,  
41, 53, 258

Use Mode 2 option, 139

Usenet groups, 60–61

UV (ultraviolet) light

filters for, 56, 257  
print damage from, 125

---

valuables in home inventories, 188

Variations option, 75

VCD Help site, 143

VCDs (Videos on CD), 137, 143  
defined, 258

DVD player support for, 143

Nero 5.5 for, 144–145, 145

preparing images for, 144

## U VCRs

for screen mirroring, 155  
for videos, 152–154

vertical orientation, 10, 10

vertical resolution, 258

video, streaming, 158–160, 158–160

video cards, TV-out ports on, 154

Video on CD. *See* VCDs  
(Videos on CD)

video-out ports, 152–154

as camera purchase factor, 35  
defined, 258

for slide presentations, 179

videos, creating, 152–154

VideoStudio, 158–160, 158–160

View-Master 3D discs, 115

View menu in PhotoDeluxe, 77

viewfinders, 3

viewing 3D images, 112

lorgnettes for, 112  
viewers for, 113–115, 113–114

viewpoints for backgrounds, 6

Virtual Tour in PhotoVista, 104, 105

visible watermarks, 163

Vista viewer, 47, 47

vistas, 102, 258

Visually Lossless option, 118

---

## W

Wal-Mart photo finishing, 130

walk-in photo finishing, 134

walls in portrait studios, 17

warping, 236–238, 236–238

water as memory card hazard, 47

water resistance of cameras, 35

Watermark Information dialog box,  
162, 162

watermarks, 161–163, 162–163, 258

wavelets

in Genuine Fractals PrintPro, 117  
in JPEG-2000, 50

weak chins, 27, 27

Web-based photo finishers, 129

Web page uploads, 134

Web resolution, 35

Web sites, 60

WebTV e-mail, 154

white balance, 258

white space with photo finishers,  
132, 132

Wi-Fi standard, 55, 258

wide-angle lenses, 258

wide-angle settings, 22, 24, 29

window decals, 205

window light, 15, 15

window poses, 29, 29

winks in animation, 226–227, 227

wireless transfer, 54–55

witnesses, photos of, 187

Wolf Camera photo finisher, 129

work lights, 16

wrinkles, 27

Write Picture CD option, 138

---

## Y

yellow, correcting for, 75

---

## Z

Zio card readers, 53

zoom

as camera purchase factor, 35

for depth of field, 22, 24, 56

with flashes, 18

in PhotoDeluxe, 82

for Picture CDs, 142

power consumption by, 40

with sharpening, 98

zoom lenses, 55–56, 258