

Cascading Style Sheets

• • • • •

Index

- A
- A element, 24–25
- absolute positioning, 205, 213–216
 - auto value, 214–216
 - positioning images, 238
- absolute units (font length), 58, 100–101
- absolute value (position property), 207
- absolute-size value, font-size property, 106
- accessibility, 7
- acid test, 352
- Acrobat format, 313–314
- acronyms, conversions using text-transform property, 118–119
- active pseudo-class, 83–85
- advanced attribute selectors, 77–82
- advanced contextual selectors, 82–83
- advanced pseudo-classes, 83–86
 - :after pseudo-element, 135–136
- ALIGN attribute, 78, 311
- alignment, tables, 334–335
- all media, media-specific style sheets, 279
- AllTheWeb (indexing service), 7
- ALT attribute, 27, 78–79
- AltaVista, 7
- alternate style sheets, 296
- anchor element. *See* A element
- anchor pseudo-classes, 72–73
- Andreessen, Marc, 346
- angle brackets, reading property definitions, 370
- Anglo-American point, 99

Index

- ANY selector, 86–87
- applications
 - border-width property, 185–186
 - display property, 127–129
 - margin property, 173–175
 - padding property, 177–178
- Argo style language, 346
- Arial type family, 90
- armenian keyword, list-style-type property, 130
- around-the-box space, 170–204
 - border properties group, 178–188
 - clear property, 195–197
 - float property, 193–195
 - height property, 192–193
 - margins and margin properties, 171–174
 - max-width property, 197–198
 - min-width property, 197–198
 - overflow property, 203–204
 - padding properties, 175–178
 - width property, 192
- ascender (fonts), 99
- asterisks, reading property
 - definitions, 372–373
- attributes
 - ALIGN, 78
 - ALT, 27, 78–79
 - BORDER, 78
 - CLASS, 78
 - COMPACT, 78
 - extension, 311–312
 - HREF, 24–25
 - LANG, 80
 - MEDIA, 298
 - NUM, 326
 - REL, 78
 - RULES, 78
 - selectors
 - advanced, 77–82
 - simple, 63–69
 - SRC, 26–27
 - TYPE, 326
 - TYPE, 40
- author style sheets, 296–297
- auto value
 - absolute positioning, 214–216
 - clip property, 218
 - height property, 193
 - margin property, 171–172
 - overflow property, 204
 - width property, 192
 - z-index property, 216–217
- B
 - background colors, tables, 339–340
 - background properties
 - colors, 229–240
 - background, 44–45, 239–240
 - background-attachment, 235–236
 - background-color, 229–232
 - background-image, 232–233
 - background-position, 237–239
 - background-repeat, 233–235
 - background-attachment property, 235–236
 - background-color property, 229–232
 - background-image property, 232–233
 - background-position property, 237–239
 - background-repeat property, 233–235
 - BASE element, 356
 - baseline (font type), 99
 - baseline keyword, vertical-align property, 165
 - Baskerville type family, 102
 - :before pseudo-element, 135–136
 - belts, style sheets, 170
 - Berners-Lee, Tim, 3, 345
 - Bernhard Modern type family, 100
 - Bitstream Cyberbit, 98
 - blink value, text-decoration property, 115–116
 - block elements, background
 - colors, 231
 - block value, display property, 125
 - block-level elements, space control, 15, 149–167
 - cursor property, 168–169
 - letter-spacing property, 162–164
 - line-height property, 156–160
 - text-align property, 150–153
 - text-indent property, 153–156
 - vertical-align property, 165–167
 - word-spacing property, 160–161
 - BLOCKQUOTE elements, 30–31, 47–50
 - BODY element, 12, 28–29, 42
 - bridge elements, 357
 - container elements, 357
 - special elements, 358–360
 - bold italic style (type families), 90
 - bold style (type families), 90
 - BORDER attribute, 78, 311
 - border properties group, 178–188
 - border-color properties, 179–181
 - border-style properties, 181–183
 - border-width properties, 183–186

Cascading Style Sheets

- border-collapse property, 332
- border-color properties, 179–181
- border-spacing property, 333
- border-style properties, 181–183
- border-width properties, 183–186
- borders
 - colors, 228
 - empty cells, 334
 - outline borders, 188–189
 - properties, 178–188, 332–333
- Bos, Bert, 346
- both value, clear property, 196
- box model, 123–124
- BR element, 21–22, 308–309
- braille mediastyle sheets, 278
- break element. *See* BR element
- bridge elements, 357
- browsers, 3, 39–41
 - Firefox (FF), 39
 - Internet Explorer (Microsoft), 39
 - Konqueror (K), 39
 - NCSA Mosaic, 345
 - Opera (O), 39
 - Safari (S), 39
 - saga of CSS, 349–352
 - testing documents, 59
 - Viola, 345
- button bar
 - properties, 94
 - reading property definitions, 369
- BUTTON element, 364
- C
 - Cailliau, Robert, 3–4
 - canvas background, 241
 - capitalize value, text-transform property, 118
 - caption positioning, tables, 340
 - caption-side property, 340
 - cascading CSS, 52–53
 - cascading interpretation of style sheets, 281–292
 - accommodation of user styles, 286–288
 - basics, 283–284
 - complex example, 288–292
 - conflicts, 285–286
 - inherit keyword, 292
 - Cascading HTML Style Sheets* proposal, 346
 - Cascading Style Sheets and Formatting Properties Working Group (W3C), 349
 - Cascading Style Sheets. *See* CSS
 - case studies, converting HTML extensions into CSS-based design, 242–265
 - CSS Zen Garden, 260–265
 - Cyberspazio, 245–249
 - Form of the Book, 249–252
 - Magnet, 242–245
 - New Typography, 252–254
 - TSDesign, 254–259
- cell-spacing property, 332
- CENTER element, Netscape, 6
- center value, text-align property, 150
- CERN (European Laboratory for Particle Physics), 3
- child selector, 82
- Chocolate (W3C Core Style), 302, 305
- circle keyword, list-style-type property, 130
- CLASS attribute, 63–66, 78
- class selectors, 64
- classifying font families, 91–94
 - decorative purposes, 93–94
 - proportional-spaced *versus* monospaced, 92–93
 - resembling handwriting, 93
 - serifs *versus* sans serif, 92
- clear property, 195–197
- clip property, 218
- CMYK (Cyan Magenta Yellow Black) color model, 224
- collapsing borders model, 329–332
- collapsing margins, 190–191
- color property, 227–228
- color value
 - background-color property, 230
 - color property, 227–228
- colors, 222–241
 - background colors, 339–340
 - background properties, 229–240
 - borders, 228
 - canvas background, 241
 - color property, 227–228
 - Cyberspazio case study, 245–246
 - hyperlinks, 228–229
 - specifying, 223–227
 - system colors table, 376–377
- combining selector types, 69–70
- comma-separated lists, 35
- comments, 17–18, 39
- COMPACT attribute, 78
- conflicts, interpretation of style sheets, 281, 285–286
- container elements, 357
- containing blocks, positioning, 207–210
- content
 - HTML elements, 10–11
 - logical order, 58–59

Index

- content property, 86, 135–136
- contextual selectors
 - advanced, 82–83
 - simple, 70–71
- continental European point, 99
- converting
 - HTML extensions into CSS-based design (case studies), 242–265
 - CSS Zen Garden, 260–265
 - Cyberspazio, 245–249
 - form of the book, 249–252
 - Magnet, 242–245
 - New Typography, 252–254
 - TSDesign, 254–259
 - text into images, 7–8
- core styles, V3C, 302–306
- counter-increment property, 140–141
- counter-reset property, 141
- counters, 140–143
- counting elements, 85–86
- crawlers, 7
- Creating Killer Web Sites*, 312
- Creative Commons license, 261
- crosshair value, cursor property, 168
- CSS (Cascading Style Sheets)
 - browsers, 39–41
 - cascading, 52–53
 - colors. *See* colors
 - converting HTML extensions into CSS-based design, 242–265
 - em unit, 54–60
 - extra space
 - around boxes, 170–204
 - inside boxes, 148–169
 - fonts. *See* fonts
 - gluing style sheets to documents, 37–38
 - HTML and Web, 1–32
 - inheritance, 41–44
 - positioning. *See* positioning
 - printing features, 266–280
 - media-specific style sheets, 275–280
 - page areas, 272–275
 - page breaks, 267–271
 - rules, 33–36
 - saga of, 345–353
 - selectors. *See* selectors
 - specifications, 36
 - style sheets, 33–37
 - em unit, 54–60
 - interpretation using cascading and inheritance, 281–292
- table. *See* tables
- tasks
 - fonts, 45–47
 - links, 51–52
 - margins, 47–50
- tree structures, 41–42
- XML documents, 317–326
 - basis for RDF and Semantic Web, 320
 - data structuring, 317
 - family of technologies, 319
 - HTML to XHTML, 319–320
 - license-free, 321
 - modular format, 320
 - platform-independence, 321
 - similar appearance to HTML, 318
 - support, 321
 - text format, 318
 - verbosity, 318
- CSS 2.1 specification, 36
- CSS Zen Garden, 260–265, 352
- CSS2 specification, 36
- CSS1 specification, 36
- curly brackets, reading property definitions, 372
- cursive fonts, 93
- cursor property, space control inside
 - block-level elements, 168–169
- Cyan Magenta Yellow Black color model. *See* CMYK color model
- Cyberspazio case study, 245–249
- D
 - dashed keyword, 182
 - data sheets, properties, 94
 - data structuring, XML, 317
 - Day, Michael, 352
 - decimal keyword, 130
 - decimal-leading-zero keyword, 130
 - declarations, 34–35
 - @import, 299–301
 - properties, 34–35
 - value, 34–35
 - decorative purposes, fonts, 93–94
 - DEF element, 325–326
 - default style sheets, 53
 - default value, cursor property, 168
 - definition lists, 18
 - descender (fonts), 99
 - design (Web pages). *See* Web page design
 - desktop-publishing programs. *See* DTP programs
 - development, World Wide Web, 3–4
 - Didot point, 99
 - direction property, 120

Cascading Style Sheets

- disc keyword, list-style-type property, 130
- display property, 122–129
 - applications, 127–129
 - block value, 125
 - inline value, 125–126
 - inline-block value, 127
 - keywords, 341–342
 - list-item value, 126
 - none value, 126
 - run-in value, 126–127
- DIV element (division), 56, 75–77
- division element. *See* DIV element
- DL element, 18
- documents
 - creating without using style sheets, 307–313
 - HTML, 11–15
 - structure, HTML quick reference, 353–355
 - testing on browsers, 59
 - trees, 27–32
- DOM, 319
- dotted keyword, border-style properties, 182
- double keyword, border-style properties, 182
- DSSSL (style and transformation language), 347
- DT element, 122
- DTP programs (desktop-publishing), 5
- E
- e-resize value, cursor property, 168
- Editorial Review Board (HTML ERB), 348
- elements, 10–11
 - A, 24
 - BASE, 356
 - block-level, 15
 - BLOCKQUOTE, 30–31, 47–50
 - BODY, 356–360
 - BODY, 12, 28–29, 42
 - bridge elements, 357
 - container elements, 357
 - special elements, 358–360
 - BR, 308–309
 - BUTTON, 364
 - CENTER element, 6
 - counting, 85–86
 - DEF, 325–326
 - DIV, 56, 75–77
 - DL, 18
 - DT, 122
 - EM, 6, 14–15
 - empty, 21–22
 - EX, 325–326
 - floating, 58
 - FONT, 6
 - FRAME, 308–310
 - GLOSS, 325–326
 - HEAD, 325–326, 355–356
 - HI, 15
 - HTML, 11, 27–29
 - IMG, 26–27
 - inline, 15
 - LINK, 294–295
 - LINK, 356
 - MARQUEE, 6, 308, 310
 - META, 356
 - nested, 29–32
 - OL, 18
 - onscreen display, 122–129
 - overview, 16–17
 - P, 13
 - PRE, 23, 144–145
 - SENSE, 325–326
 - SPACER, 6
 - SPAN, 75–77
 - STRONG, 14–15
 - structural, 308
 - STYLE, 295–298, 355
 - browser recognition, 39–41
 - gluing style sheets to documents, 37–38
 - TYPE attribute, 40
 - SUB, 308–309
 - SUP, 308–309
 - text-level, 356–360
 - TITLE, 11, 28–29, 355
 - UL, 18
- em dash, 54
- EM element, 6, 14–15
- em space, 366
- em unit
 - absolute units, 58
 - relative units, 57, 101–102
 - setting font size, 55
 - writing style sheets, 54–60
- embossed media, 278
- emphasis element. *See* EM element
- empty elements, 21–22
- empty-cells property, 334
- en dash, 54
- End tag (HTML elements), 10–11
- European Laboratory for Particle Physics. *See* CERN
- EX element, 325–326
- ex unit, 101–102
- eXtensible Style sheet Language. *See* XSL
- extensions
 - attributes, 311–312

Index

- HTML, converting into CSS-based design (case studies), 242–265
- external style sheets, 293–306
 - benefits, 293–294
 - HTML, 294–301
 - alternate style sheets, 296
 - author style sheets, 296–297
 - linking to style sheets, 294–298
 - MEDIA attribute, 298
 - persistent style sheets, 296
 - preferred style sheets, 296
 - W3C Core Styles, 302–306
 - XML, 301–302
- extra space
 - around boxes, 170–204
 - border properties group, 178–188
 - clear property, 195–197
 - float property, 193–195
 - height property, 192–193
 - margins and margin properties, 171–174
 - max-width property, 197–198
 - min-width property, 197–198
 - overflow property, 203–204
 - padding properties, 175–178
 - width property, 192
 - inside boxes, 148–169
- F
- face. *See* typefaces
- Fahrner, Todd
 - acid test, 352
 - W3C Core Styles, 302
- fast size (tables), 337–339
- FF (Firefox), 39
- first pages, page areas, 274–275
- first-child pseudo-class, 85–86
- first-letter pseudo-elements, 73–75
- first-line pseudo-elements, 73–75
- fixed positioning, 211–213
- fixed texts, 134
- fixed value
 - background-attachment property, 235
 - position property, 207
- fixed-width fonts, 92–93
- flag character (class selectors), 64
- float property, 58, 193–195
- floating elements, 58
- focus pseudo-class, 83–85
- FONT element, 6
- font property, 46–47, 113–115
- font-family property, 94–98
- font-size property, 104–107
 - absolute-size value, 106
 - length value, 104–105
 - percentage value, 105
 - relative-size value, 106–107
- font-style property, 35, 107–108
- font-variant property, 47, 109–110
- font-weight property, 110–113
- fonts, 45–47, 89–121
 - classifying font families, 91–94
 - Cyberspazio case study, 247–248
 - direction property, 120
 - font property, 113–115
 - font-family property, 94–98
 - font-size property, 104–107
 - absolute-size value, 106
 - length value, 104–105
 - percentage value, 105
 - relative-size value, 106–107
 - font-style property, 107–108
 - font-variant property, 109–110
 - font-weight property, 110–113
 - generic, 60, 94
 - keywords as values, 104
 - length units, 100–103
 - metrics, 98–100
 - percentages as values, 103
 - resources, 121
 - size, 55
 - text-decoration property, 115–117
 - text-transform property, 117–119
 - typesetting terminology, 90–91
 - unicode-bidi property, 120
- Form of the Book case study, 249–252
- formatting XSL, 315
- FRAME element, 308–310
- G
- gamut (colors), 222
- generated text, 134–143
- generic fonts, 60, 94
- GLOSS element, 325–326
- gluing style sheets to documents, 37–38
- Google, 7
- graphical user interface. *See* GUI
- gregorian keyword, 130
- groove keyword, 182
- GUI (graphical user interface), 7
- H
- handheld media, 278
- handwriting (resemblance of), 93
- HEAD element, 325–326, 355–356
- HEIGHT attribute, 311

Cascading Style Sheets

- height property, 192–193
 - help value, cursor property, 169
 - Helvetica type family, 90
 - hexadecimal numbers, specifying
 - RGB colors, 226
 - HI element, 15
 - hidden keyword, 182
 - hidden value
 - overflow property, 204
 - visibility property, 217–218
 - horizontal rule element. *See*
 - HR element
 - hover pseudo-class, 83–85
 - HR element, 21
 - HREF attribute, A element, 24–25
 - HSB (Hue Saturation Brightness)
 - color model, 224
 - HSPACE attribute, 311
 - HTML (HyperText Markup Language), 1–32
 - avoiding limitations, 5–10
 - converting text into images, 7–8
 - placing text in tables, 8–9
 - proprietary HTML extensions, 6–7
 - writing programs, 9–10
 - block-level elements, 15
 - building documents, 11–15
 - comments, 17–18
 - document trees, 27–32
 - Editorial Review Board (HTML ERB), 348
 - elements, 10–11, 16–17
 - empty elements, 21–22
 - extensions, 242–265
 - external style sheets, 294–301
 - alternate style sheets, 296
 - author style sheets, 296–297
 - @import declaration, 299–301
 - linking to style sheets, 294–298
 - MEDIA attribute, 298
 - persistent style sheets, 296
 - preferred style sheets, 296
 - hyperlinks, 24–26
 - images, 26–27
 - inline elements, 15
 - lists, 18–20
 - maintenance of preformatted text, 22–23
 - quick reference, 354–368
 - BODY element, 356–360
 - document structure, 354–355
 - HEAD element, 355–356
 - special characters, 364–366
 - text-level elements, 360–364
 - XHTML 1, 366–368
 - space control, 148–149
 - HTML comment, 39
 - HTML element, 11, 27–29
 - Hue Saturation Brightness model.
 - See* HSB (Hue Saturation Brightness) color model
 - hyperlinks, 3
 - adding, 24–26
 - colors, 228–229
 - HyperText Markup Language. *See*
 - HTML
 - hypertext reference attribute. *See*
 - HREF attribute
 - hypothetical XML-based formats, 323–326
- I**
- ID attribute, 66–67
 - ID selectors, 66–67
 - image element. *See* IMG element
 - images
 - adding, 26–27
 - avoiding use of HTML, 314–315
 - Cyberspazio case study, 247
 - IMG attribute, 311
 - IMG element, 26–27
 - ALT attribute, 27
 - SRC attribute, 26–27
 - inclined keyword value, font-style property, 108
 - indexing services, 7
 - inherit keyword, 292
 - inherit value
 - max-width property, 197–198
 - min-width property, 197–198
 - inheritance, 41–45
 - interpretation of style sheets, 281–292
 - accommodation of user styles, 286–288
 - basics, 283–284
 - complex example, 288–292
 - conflicts, 285–286
 - inherit keyword, 292
 - overriding, 42–44
 - properties that do not inherit, 44–45
 - inherited width, 199
 - inline elements, 15, 230–231
 - inline tables, 340–341
 - inline value, display property, 125–126
 - inline-block value, display property, 127

Index

- inset keyword, border-style properties, 182
- inside box space, block-level elements, 149–167
 - cursor property, 168–169
 - letter-spacing property, 162–164
 - line-height property, 156–160
 - text-align property, 150–153
 - text-indent property, 153–156
 - vertical-align property, 165–167
 - word-spacing property, 160–161
- inside value, list-style-position property, 132
- Internet Explorer (Microsoft), 39, 349
- interpolation, 281
- intrinsic size, 200
- intrinsic width, 200
- ISO, two-letter language codes, 80
- italic keyword value, font-style property, 107
- italic style (type families), 90
- Ivarsoy, Geir, 351
- J–K
- justified value, text-align property, 150
- justifying text, 152–153
- K (Konqueror), 39
- keyword value, vertical-align property, 165
- keywords
 - @media, 276
 - border-style properties, 181–182
 - border-width properties, 183–184
 - display property, 341–342
 - inherit, 292
 - list-style-type property, 130
 - positioning images, 238–239
 - reading property definitions, 370
 - values, fonts, 104
- Konqueror (K), 39
- L
- LANG attribute, 80
- layout attributes, 311–312
- left pages, page areas, 273–274
- left value
 - clear property, 196
 - float property, 193–194
 - text-align property, 150
- length units, fonts, 100–103
 - absolute units, 100–101
 - pixel units, 100–103
 - relative units, 100–102
- length value
 - border-width properties, 184
 - font-size property, 104–105
 - height property, 193
 - letter-spacing property, 162
 - margin property, 171–172
 - max-width property, 197–198
 - min-width property, 197–198
 - padding properties, 176
 - text-indent property, 153
 - vertical-align property, 165
 - width property, 192
- lengths, measuring with em unit, 54–60
- letter-spacing property, space control
 - inside block-level elements, 162–164
- license-free, XML, 321
- Lilley, Chris, 348
- line-height property, 47, 153–156
- line-through value, text-decoration property, 115–116
- LINK element, 294–295, 356
- linking external style sheets (HTML), 294–298
- links, 51–52
- list bullets, 134
- list-item value, display property, 126
- list-style properties, 123, 129–134
- list-style-image property, 131–132
- list-style-position property, 132
- list-style-type property, 129–131
- lists, 18–20, 35
- Liu, Xuehong, 352
- logical order (content), 58–59
- lower-alpha/lower-latin keyword, 130
- lower-greek keyword, 130
- lower-roman keyword, 130
- lowercase value, 118
- M
- Magnet case study, 242–245
- maintenance, preformatted text, 22–23
- margin property, 171–175
- margin-bottom property, 48–49, 171
- margin-left property, 48–49, 171
- margin-right property, 48–49, 171
- margin-top property, 48–49, 171
- margins, 47–50
 - area, 56
 - BLOCKQUOTE elements, 47–50
 - collapsing, 190–191
 - page areas, 272–273
 - space control, 171–174
- markup languages, 4–5
- MARQUEE element, 6, 308–310
- max-width property, around the box
 - space control, 197–198
- measuring lengths, 54–60
- MEDIA attribute, 298

Cascading Style Sheets

@media keyword, 276

media-specific style sheets, 275–280

all media, 279

braille media, 278

embossed media, 278

handheld media, 278

print media, 278

projection media, 278

screen media, 277

speech media, 278

tty media, 278–279

tv media, 279

medium value, border-width

properties, 184

META element, 356

metrics, fonts, 98–100

Meyer, Eric, 352

Microsoft

Internet Explorer, 39, 349

MARQUEE element, 6

middle keyword, vertical-align

property, 166

Midnight (W3C Core Style), 302, 306

min-width property, around the box
space control, 197–198

models

box, 123–124

collapsing borders, 329–332

separated borders, 332–334

Modernist (W3C Core Style),
302–304

modular format, XML, 320

monospaced fonts, 92–93

Montulli, Lou, 348

move value, cursor property, 168

Mozilla (Netscape Navigator), 346

multiple values, reading property
definitions, 371–374

N

n-resize value, cursor property, 168

Name field, reading property
definitions, 370

names, specifying colors, 224

NCSA Mosaic, 345

ne-resize value, cursor property, 168

negative indents, 154

nested elements, 29–32

Netscape

CENTER element, 6

SPACER element, 6

Netscape Navigator, 349

New Typography case study, 252–254

no-repeat value, background-repeat
property, 233–234

non-breaking space, white-space
property, 144

non-breaking spaces, 365

none keyword

border-style properties, 181

list-style-type property, 130

none value

background-image property, 232

clear property, 196

display property, 126

float property, 193–194

text-transform property, 118

normal keyword value, font-style
property, 107

normal value

letter-spacing property, 162

white-space property, 144–145

nowrap value, white-space
property, 147

NUM attribute, 326

numerical values (font weights),
110–112

nw-resize value, cursor property, 168

O

O (Opera), 39

oblique keyword value, font-style
property, 107

OL element, 18

Oldstyle (W3C Core Style), 302, 305

onscreen display, display property,
122–129

Open Directory typography
links, 121

Opera, 351

Opera (O), 39

ordered lists, 18

orphans property, 267, 270–271

outline borders, 188–189

outset keyword, border-style
properties, 182

outside value, list-style-position
property, 132

overflow property, around the box
space control, 203–204

overline value, text-decoration
property, 115–116

overriding inheritance, 42–44

overview

selectors, 87–88

width computation, 198–203

P

P (paragraph) element, 13

P (Prince) formatter, 39

padding, 55–56

padding properties, 50, 175–178

page areas, 272–275

Index

- page breaks, 267–271
- page selectors, 272–273
- page-break-after property, 267, 269, 271
- page-break-before property, 267–269, 271
- page-break-inside property, 267, 270–271
- @page selector, 272
- Palatino type family, 90
- paragraph element. See P element
- PDF (Portable Document Format), 313–314
- Pei Wei Viola browser, 345
- percentage value
 - font-size property, 105
 - margin property, 171–172
 - max-width property, 197–198
 - min-width property, 197–198
 - padding properties, 176
 - text-indent property, 153
 - vertical-align property, 165
 - width property, 192
- percentages
 - positioning images, 237–238
 - specifying RGB colors, 226
 - as values, 103
- performance, external style sheets, 293
- persistent style sheets, 296
- pica point, 99
- Picture Element, 102
- pixel units (font length), 100, 102–103
- platform-independence, XML, 321
- plus sign (+), reading property definitions, 372–373
- pointer value, cursor property, 168
- points, 45
- Portable Document Format. See PDF
- position property, 206–207
- positioning, 205–221
 - absolute positioning, 213–216
 - clip property, 218
 - containing blocks, 207–210
 - fixed positioning, 211–213
 - position property, 206–207
 - relative positioning, 210–211
 - sample code, 218–221
 - visibility property, 217–218
 - z-index property, 216–217
- posture (typefaces), 90
- PRE element, 23, 144–145
- pre value, white-space property, 145–146
- pre-line value, white-space property, 147
- pre-wrap value, white-space property, 147
- predefined color names, 224
- preferred style sheets, 296
- preformatted element. See PRE element
- preformatted text, maintenance, 22–23
- Prince (P) formatter, 39
- Prince formatter, 352–353
- print media, media-specific style sheets, 278
- printing features, 266–280
 - media-specific style sheets, 275–280
 - page areas, 272–275
 - page breaks, 267–271
- projection media, media-specific style sheets, 278
- properties
 - background properties
 - background, 239–240
 - background-attachment, 235–236
 - background-color, 229–232
 - background-image, 232–233
 - background-position, 237–239
 - background-repeat, 233–235
 - inheriting, inability to, 44–45
 - border properties group, 178–188
 - border-color, 179–181
 - border-style, 181–183
 - border-width, 183–186
 - border-collapse, 332
 - border-spacing, 333
 - button bar, 94–95
 - caption-side, 340
 - cell-spacing, 332
 - clear, 195–197
 - clip, 218
 - color, 227–228
 - content, 86, 135–136
 - counter-increment, 140–141
 - counter-reset, 141
 - cursor, 168–169
 - data sheets, 94–95
 - declarations, 34–35
 - direction, 120
 - display, 122–129
 - applications, 127–129
 - block value, 125
 - inline value, 125–126
 - inline-block value, 127

Cascading Style Sheets

- keywords, 341–342
 - list-item value, 126
 - none value, 126
 - run-in value, 126–127
 - empty-cells, 334
 - float, 58, 193–195
 - font, 46–47, 113–115
 - font-family, 94–98
 - font-size, 104–107
 - font-style, 35, 107–108
 - font-variant, 47, 109–110
 - font-weight, 110–113
 - height, 192–193
 - inheritance, 44–45
 - letter-spacing, 162–164
 - line-height, 47, 156–160
 - list-style, 123, 129–134
 - margin, 171–174
 - margin-bottom, 48–49
 - margin-left, 48–49
 - margin-right, 48–49
 - margin-top, 48–49
 - max-width, 197–198
 - min-width, 197–198
 - orphans, 267, 270–271
 - overflow, 203–204
 - padding, 50, 175–178
 - page-break-after, 267, 269, 271
 - page-break-before, 267–269, 271
 - page-break-inside, 267, 270–271
 - position, 206–207
 - reading definitions, 369–375
 - shorthand, 113
 - table-layout, 338
 - text-align, 36, 150–153, 334
 - text-decoration, 115–117
 - text-indent, 153–156
 - text-shadow, 254–255
 - text-transform, 117–119
 - unicode-bidi, 120
 - vertical-align, 165–167, 335
 - visibility, 217–218
 - hidden value, 217–218
 - visible value, 217–218
 - white-space, 123, 143–147
 - non-breaking space, 144
 - normal value, 144–145
 - nowrap value, 147
 - PRE element, 144–145
 - pre value, 145–146
 - pre-line value, 147
 - pre-wrap value, 147
 - widows, 267, 270–271
 - width, 58, 192, 336
 - word spacing, 160–161
 - z-index, 216–217
 - proportional-spaced fonts, 92–93
 - Proposed Recommendations, W3C specifications, 299
 - proprietary HTML extensions, 6–7
 - pseudo-classes, 71–75
 - advanced, 83–86
 - active, 83–85
 - first-child, 85–86
 - focus, 83–85
 - hover, 83–85
 - anchor pseudo-classes, 72–73
 - pseudo-elements, 71–75
 - advanced, 86
 - :after, 135–136
 - :before, 135–136
 - first-letter pseudo-elements, 73–75
 - first-line pseudo-elements, 73–75
- Q–R**
- question marks, reading property definitions, 372–373
 - quick reference (HTML), 354–368
 - BODY element, 356–360
 - document structure, 354–355
 - HEAD element, 355–356
 - special characters, 364–366
 - text-level elements, 356–360
 - XHTML 1, 366–368
 - quotation marks, 134–140
 - Raggett, Dave, 346
 - RDF (Resource Description Framework), 320
 - reading property value definitions, 369–375
 - red/green/blue components. *See* RGB components
 - regular brackets, reading property definitions, 373–374
 - regular style (type families), 90
 - REL attribute, 78
 - relative positioning, 205, 210–211
 - relative units
 - em unit, 57
 - font length, 100–102
 - relative value, position property, 207
 - relative-size value, font-size property, 106–107
 - repeat value, background-repeat property, 233
 - repeat-x value, background-repeat property, 233–234
 - repeat-y value, background-repeat property, 233–234
 - Resource Description Framework. *See* RDF

- resources, Open Directory's
typography links, 121
- restricted text-level elements,
362–364
- reusability, external style sheets, 293
- RGB (red/green/blue) components, 50
- RGB colors, 224–226
- ridge keyword, border-style
properties, 182
- right pages, page areas, 273–274
- right value
clear property, 196
float property, 193–194
text-align property, 150
- right-aligning text, 151–152
- robots, 7
- roman style (type families), 90
- rules
cascading and inheritance, 289
CSS, 33–36
declarations, 34–35
selectors, 34–37
- RULES attribute, 78
- run-in headers, 122, 127
- run-in value, display property,
126–127
- S
- S (Safari), 39
- s-resize value, cursor property, 169
- Safari, 351
- Safari (S), 39
- saga of CSS, 345–353
- sans serif font, 92
- scalable style sheets, em unit, 54
- schemes, CSS selectors, 61–62
- screen media, media-specific style
sheets, 277
- scripts, XSL, 315
- scroll value
background-attachment
property, 235
overflow property, 204
- selectors, 61–88
advanced attribute selectors,
77–82
selection on language of an
element, 79–82
selection on presence of an
attribute, 77–78
selection on single word in
value of an attribute,
78–79
selection on value of an
attribute, 78
- advanced contextual selectors,
82–83
child selector, 82
sibling selector, 83
- advanced pseudo-classes, 83–86
active, 83–85
first-child, 85–86
focus, 83–85
hover, 83–85
- ANY, 86–87
- class, 64
- combining selector types, 69–70
- CSS rules, 34–37
- DIV element, 75–77
- ID, 66–67
- overview, 87–88
- @page, 272
- pseudo-classes, 71–75
- pseudo-elements, 71–75
:after, 135–136
:before, 135–136
first-letter pseudo-elements,
73–75
first-line pseudo-elements,
73–75
- schemes, 61–62
- simple attribute selectors, 63–69
CLASS attribute, 63–66
ID attribute, 66–67
STYLE attribute, 67–69
- simple contextual selectors,
70–71
- SPAN element, 75–77
- type selectors, 62
- self-nesting counters, 142–143
- Semantic Web, 320
- SENSE element, 325–326
- separated borders model, 332–334
- serif font, 92
- shape value, clip property, 218
- Shea, Dave, 260, 352
- shorthand properties, 113
- sibling selector, 83
- Siegel, David, 312–313
- simple attribute selectors, 63–69
CLASS attribute, 63–66
ID attribute, 66–67
STYLE attribute, 67–69
- simple contextual selectors, 70–71
- single-pixel GIF trick, space control,
312–313
- size
fonts, 55
tables, 335–339
- slanted keyword value, font-style
property, 108

Index

Cascading Style Sheets

- small-caps font style, font-variant property, 109
- soft hyphens, 365
- solid keyword, border-style properties, 182
- space control
 - extra space around boxes, 170–204
 - border properties group, 178–188
 - clear property, 195–197
 - float property, 193–195
 - height property, 192–193
 - margins and margin properties, 171–174
 - max-width property, 197–198
 - min-width property, 197–198
 - overflow property, 203–204
 - padding properties, 175–178
 - width property, 192
 - extra space inside boxes, 148–169
 - HTML, 148–149
 - single-pixel GIF trick, 312–313
- SPACER element, 6
- SPAN element, 75–77
- span of words element. *See* SPAN element
- specifications
 - CSS, 36
 - W3C, 299
- specifying colors, 223–226
 - names, 224
 - RGB colors, 224–226
 - system colors, 226–227
- speech media, media-specific style sheets, 278
- spiders, 7
- square keyword, list-style-type property, 130
- SRC attribute, IMG element, 26–27
- sRGB (standard-RGB), 225
- standard-RGB. *See* sRGB
- Start tag (HTML elements), 10–11
- static value, position property, 207
- Steely (W3C Core Style), 302, 304
- STRONG element, 14–15
- structural elements, 308
- structuring data, XML, 317
- STYLE attribute, 67–69
- STYLE element, 295–298, 355
 - browser recognition, 39–41
 - gluing style sheets to documents, 37–38
 - TYPE attribute, 40
- style sheets, 2, 33–36
 - belts, 170
 - creating documents without, 307–313
 - default, 53
 - em unit, 54–60
 - external, 293–306
 - benefits, 293–294
 - HTML, 294–301
 - W3C Core Styles, 302–306
 - XML, 301–302
 - gluing to documents, 37–38
 - interpretation using cascading and inheritance, 281–292
 - accommodation of user styles, 286–288
 - complex example, 288–292
 - conflicts, 285–286
 - inherit keyword, 292
 - media-specific, 275–280
 - styles, counters, 142
- SUB element, 308–309
- sub keyword, vertical-align property, 165
- SUP element, 308–309
- super keyword, vertical-align property, 165–166
- support, XML, 321
- sw-resize value, cursor property, 169
- Swiss (W3C Core Style), 302
- system colors, 226–227, 376–377
- T
 - table-layout property, 338
- table, 327–344
 - alignment, 334–335
 - background colors, 339–340
 - caption positioning, 340
 - collapsing borders model, 329–332
 - inline tables, 340–341
 - parts of a table, 327–329
 - placing text in, 8–9
 - separated borders model, 332–334
 - sizes, 335–339
 - XML, 341–344
- tags, 4
- tasks, CSS
 - fonts, 45–47
 - links, 51–52
 - margins, 47–50
- technical specifications, W3C, 299
- testing documents, 59
- text
 - converting into images, avoiding HTML limitations, 7–8
 - fixed, 134
 - generated, 134–143

Index

- justifying, 152–153
 - placing in tables, avoiding HTML limitations, 8–9
 - right-aligning, 151–152
 - XML, 318
- text value, cursor property, 169
- text-align property, 36, 150–153, 334
- text-bottom keyword, vertical-align property, 166
- text-decoration property, 115–117
- text-indent property, space control inside block-level elements, 153–156
- text-level elements
 - BUTTON element, 364
 - quick reference (HTML), 356–360
 - restricted text-level elements, 362–364
- text-shadow property, 254–255
- text-top keyword, vertical-align property, 166
- text-transform property, 117–119
- thick value, border-width properties, 184
- thin value, border-width properties, 184
- Times New Roman type family. *See* TR type family
- TITLE element, 11, 28–29, 355
- TR (Times New Roman) type family, 90, 99–100
- Traditional (W3C Core Style), 302
- transformation, XSL, 315
- transparent value, background-color property, 230–232
- tree structures, 41–42
- Trident, 350
- Tschichold, Jan, 249, 252
- TSDesign case study, 254–259
- tty media, media-specific style sheets, 278–279
- two-letter language codes (ISO), 80
- TYPE attribute, 40, 326
- type families (typefaces), 90
- type selectors, 62
- typefaces, 90
- typesetting terminology, fonts, 90–91
- typewriter type, 92
- typography links, Open Directory, 121
- U
 - UL element, 18
- Ultramarine (W3C Core Style), 302
- underline value, text-decoration property, 115–116
- unicode-bidi property, 120
- units for page margins, page areas, 275
- unordered lists, 18
- upper-alpha/upper-latin keyword, list-style-type property, 130
- upper-roman keyword, list-style-type property, 130
- uppercase value, text-transform property, 118
- URL value
 - background-image property, 232
 - reading property definitions, 371
- user interaction, advanced pseudo-classes, 83–85
- user selection, external style sheets, 294
- V
 - value declarations, 34–35
 - Value field, 369
 - variable-width fonts, 92–93
 - vertical bars, reading property definitions, 371–372
 - vertical-align property, 165–167, 335
 - viewport, canvas background, 241
 - Viola browser (Pei Wei), 345
 - visibility property, 217–218
 - visible value
 - overflow property, 204
 - visibility property, 217–218
- VSPACE attribute, 311
- W
 - w-resize value, cursor property, 169
- W3C (World Wide Web Consortium), 4
 - Cascading Style Sheets and Formatting Properties Working Group, 349
 - Core Styles, external style sheets, 302–306
 - CSS specifications, 36
 - development, 348
 - technical specifications, 299
- wait value, cursor property, 169
- WaSP (Web Standards Project), 350
- Web. *See* WWW
- Web Standards Project. *See* WaSP
- Web page design
 - colors. *See* colors
 - CSS, 33–53
 - browsers, 39–41
 - cascading, 52–53
 - common tasks, 45–52
 - gluing style sheets to documents, 37–38
 - inheritance, 41–44
 - rules, 33–36
 - style sheets, 33–36
 - tree structures, 41–42

Cascading Style Sheets

- em unit, 54–60
- extra space
 - around boxes, 170–204
 - inside boxes, 148–169
- fonts. *See* fonts
- HTML, 1–32
 - avoiding limitations, 5–10
 - basics of, 10–26
 - document trees, 27–32
 - positioning. *See* positioning
 - selectors. *See* selectors
 - tables. *See* tables
- weight (typefaces), 90
- white space, Cyberspazio case study, 248–249
- white-space property, 123, 143–147
 - non-breaking space, 144
 - normal value, 144–145
 - nowrap value, 147
 - PRE element, 144–145
 - pre value, 145–146
 - pre-line value, 147
 - pre-wrap value, 147
- widows property, 267, 270–271
- width (typefaces), 90
- WIDTH attribute, 311
- width computation, 198–203
- width property, 58, 192, 336
- Wilson, Chris, 349
- windows, canvas background, 241
- word-spacing property, space control
 - inside block-level elements, 160–161
- Working Drafts, W3C
 - specifications, 299
- World Wide Web Consortium. *See* W3C
- World Wide Web. *See* WWW
- writing programs, avoiding HTML
 - limitations, 9–10
- WWW (World Wide Web)
 - development, 3–4
 - Web-page design
 - CSS, 33–53
 - HTML, 1–32
- X
 - x-height (fonts), 99
- XHTML, 319–320
- XHTML 1, quick reference (HTML), 366–368
- XLink, 319
- XML, 317–326
 - data structuring, 317
 - external style sheets, 301–302
 - family of technologies, 319
 - HTML to XHTML, 319–320
 - hypothetical XML-based formats, 323–326
 - license-free, 321
 - modular format, 320
 - platform-independence, 321
 - support, 321
 - tables, 341–344
 - text format, 318
 - verbosity, 318
- XML schemas, 319
- XPointer, 319
- XSL (eXtensible Style sheet Language), 315–316, 319
- XSLT, 319
- Y–Z
 - z-index property, 216–217
- zero-width joiners, 366
- zero-width non-joiners, 366



informIT

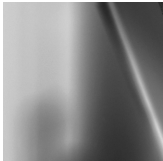
www.informit.com

YOUR GUIDE TO IT REFERENCE



Articles

Keep your edge with thousands of free articles, in-depth features, interviews, and IT reference recommendations – all written by experts you know and trust.



Online Books

Answers in an instant from **InformIT Online Book's** 600+ fully searchable on line books. For a limited time, you can get your first 14 days **free**.

POWERED BY
Safari
TECH BOOKS ONLINE



Catalog

Review online sample chapters, author biographies and customer rankings and choose exactly the right book from a selection of over 5,000 titles.





Register Your Book

at www.awprofessional.com/register

You may be eligible to receive:

- Advance notice of forthcoming editions of the book
- Related book recommendations
- Chapter excerpts and supplements of forthcoming titles
- Information about special contests and promotions throughout the year
- Notices and reminders about author appearances, tradeshows, and online chats with special guests

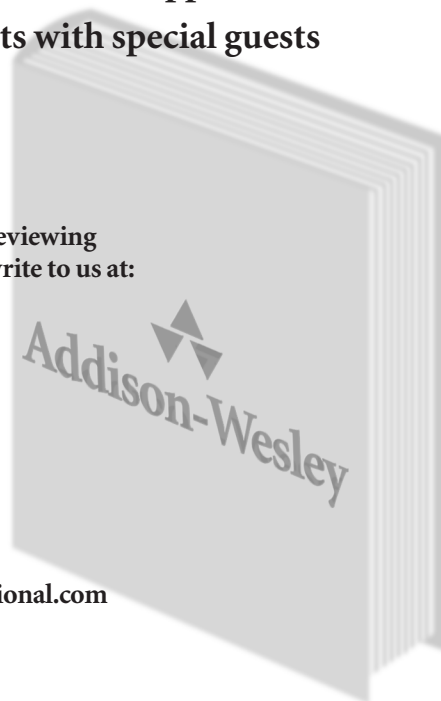


Contact us

If you are interested in writing a book or reviewing manuscripts prior to publication, please write to us at:

Editorial Department
Addison-Wesley Professional
75 Arlington Street, Suite 300
Boston, MA 02116 USA
Email: AWPro@aw.com

Visit us on the Web: <http://www.awprofessional.com>



Wouldn't it be great

if the world's leading technical publishers joined forces to deliver their best tech books in a common digital reference platform?

They have. Introducing
InformIT Online Books
powered by Safari.

■ Specific answers to specific questions.

InformIT Online Books' powerful search engine gives you relevance-ranked results in a matter of seconds.

■ Immediate results.

With InformIT Online Books, you can select the book you want and view the chapter or section you need immediately.

■ Cut, paste and annotate.

Paste code to save time and eliminate typographical errors. Make notes on the material you find useful and choose whether or not to share them with your work group.

■ Customized for your enterprise.

Customize a library for you, your department or your entire organization. You only pay for what you need.

Get your first 14 days **FREE!**

For a limited time, InformIT Online Books is offering its members a 10 book subscription risk-free for 14 days. Visit <http://www.informit.com/online-books> for details.

POWERED BY
Safari
TECH BOOKS ONLINE®

informIT
Online Books

informit.com/onlinebooks

CSS QUICK REFERENCE (continued from inside front cover)

Name	Values	Initial value	Applies to	Inherited?	Percentages	Page
display	inline block list-item run-in inline-block table inline-table table-row-group table-header-group table-footer-group table-row table-column-group table-column table-cell table-caption none inherit	inline	all elements	no	N/A	125
empty-cells	show hide inherit	show	'table-cell' elements	yes	N/A	334
float	left right none inherit	none	all elements	no	N/A	193
font-family	[[<family-name> <generic-family>] [, <family-name> <generic-family>]*] inherit	depends on user agent	all elements	yes	N/A	94
font-size	<absolute-size> <relative-size> <length> <percentage> inherit	medium	all elements	yes	refer to parent element's font size	104
font-style	normal italic oblique inherit	normal	all elements	yes	N/A	107
font-variant	normal small-caps inherit	normal	all elements	yes	N/A	109
font-weight	normal bold bolder lighter 100 200 300 400 500 600 700 800 900 inherit	normal	all elements	yes	N/A	110
font	[['font-style' 'font-variant' 'font-weight']? 'font-size' ['/' 'line-height']? 'font-family'] caption icon menu message-box small-caption status-bar inherit	see individual properties	all elements	yes	see individual properties	113
height	<length> <percentage> auto inherit	auto	(1)	no	see prose	193
left	<length> <percentage> auto inherit	auto	positioned elements	no	refer to width of containing block	207
letter-spacing	normal <length> inherit	normal	all elements	yes	N/A	162
line-height	normal <number> <length> <percentage> inherit	normal	all elements	yes	refer to the font size of the element itself	157
list-style-image	<uri> none inherit	none	elements with 'display: list-item'	yes	N/A	131
list-style-position	inside outside inherit	outside	elements with 'display: list-item'	yes	N/A	132
list-style-type	disc circle square decimal decimal-leading-zero lower-roman upper-roman lower-greek lower-latin upper-latin armenian georgian none inherit	disc	elements with 'display: list-item'	yes	N/A	130
list-style	['list-style-type' 'list-style-position' 'list-style-image'] inherit	see individual properties	elements with 'display: list-item'	yes	N/A	132
margin-right margin-left margin-top margin-bottom	<margin-width> inherit	0	(3)	no	refer to width of containing block	171
margin	<margin-width>{1,4} inherit	see individual properties	(3)	no	refer to width of containing block	171
max-height	<length> <percentage> none inherit	none	(4)	no	see prose	198
max-width	<length> <percentage> none inherit	none	(4)	no	refer to width of containing block	198
min-height	<length> <percentage> inherit	0	(4)	no	see prose	198
min-width	<length> <percentage> inherit	0	(4)	no	refer to width of containing block	197
orphans	<integer> inherit	2	block-level elements	yes	N/A	270
outline-color	<color> invert inherit	invert	all elements	no	N/A	188
outline-style	<border-style> inherit	none	all elements	no	N/A	189
outline-width	<border-width> inherit	medium	all elements	no	N/A	189
outline	['outline-color' 'outline-style' 'outline-width'] inherit	see individual properties	all elements	no	N/A	188
overflow	visible hidden scroll auto inherit	visible	(6)	no	N/A	204
padding-top padding-right padding-bottom padding-left	<padding-width> inherit	0	(5)	no	refer to width of containing block	176
padding	<padding-width>{1,4} inherit	see individual properties	(5)	no	refer to width of containing block	176
page-break-after	auto always avoid left right inherit	auto	block-level elements	no	N/A	269
page-break-before	auto always avoid left right inherit	auto	block-level elements	no	N/A	268