

# Index



## Symbols

@import CSS directive, 114-115  
# (octothorpe), intrapage links, 26

## A

a element, 23, 163, 228  
abbr element, 228  
absolute keywords for font sizing, 144  
absolute length values for font sizing, 144-145  
absolute linking, 22  
absolute positioning (CSS)  
  to containing block, 202-203  
  to root element, 200-201  
accessibility. *See also* usability  
  alternative text for images, 35  
  descriptions of multimedia files, 39  
  email links, 25  
  forms, label element, 82  
  frames, noframes element, 101-102  
  links, 23  
  scrolling text and backgrounds, 133  
  table columns  
    col element, 63-64  
    colgroup element, 65  
  table summaries, 57  
  tables, 57  
acronym element, 228  
action attribute, 70, 80  
:active dynamic pseudo class, 162, 262  
active link state, 162  
address element, 229  
adjacent sibling selectors, 260  
:after pseudo element, 262  
align attribute, 64-65  
aligning text, 149  
alt attribute, 35  
alternative text for images, 35  
anchor element. *See* a element  
applet element, 229  
application hierarchy, CSS rules, 109  
area element, 229  
attribute selectors (CSS), 260  
attributes  
  action, 70, 80  
  align, 64-65  
  alt, 35  
  border, 37, 51, 100  
  cellpadding, 51  
  cellspacing, 51  
  checked, 75  
  class, 124  
  codebase, 41  
  cols, 78, 92  
  colspan, 60-62  
  for, 82  
  frameborder, 99-100  
  framespacing, 100  
  height, 34  
  href, 23, 113  
  id, 27, 71, 73, 79, 82  
  label, 85  
  lang, 4  
  mailto:, 24  
  marginheight, 96  
  marginwidth, 96  
  maxlength, 72  
  media, 113  
  method, 70, 80  
  multiple, 77  
  name, 26-27, 71-74, 78, 97



noresize, 96  
 parameter, 41  
 rel, 113  
 rows, 78, 94  
 rowspan, 58-59, 62  
 scrolling, 96  
 selected, 76-77  
 size, 72, 77  
 span, 63  
 src, 32  
 style, 110  
 subject, 25  
 summary, 57  
 tabindex, 23, 25  
 target, 97  
 title, 23, 25, 39  
 type, 71, 73, 81, 111, 113  
 valign, 64  
 value, 74, 80  
 width, 34, 50-51, 63  
 xml:lang, 4  
 xmlns, 4  
 audio files, links to, 38-39. *See also* multimedia  
 authorship in meta element, 8

## B

b element, 230  
 background property, 136-137, 266  
 background-attachment property,  
   132-133, 266  
 background-color property, 122, 134-135, 266  
 background-image property, 126, 267  
 background-position property, 130-131, 267  
 background-repeat property, 128-129, 267  
 backgrounds. *See also* images  
   CSS shorthand, 136-137  
   document backgrounds, color in, 122  
   element backgrounds  
     color in, 122-123  
     images in, 127  
   images  
     attaching, 126-127  
     positioning, 130-131  
     scrolling versus fixed, 132-133  
     tiling, 128-129  
   link backgrounds, color in, 164  
   table backgrounds, color in, 124-125  
   transparent backgrounds, 134-135  
 base element, 230  
 basefont element, 230  
 bdo element, 231  
 :before pseudo element, 263  
 Berners-Lee, Tim, 13, 49  
 big element, 231  
 blinking text, 150  
 block boxes (CSS), 181  
 block-level elements, 227  
 blockquote element, 231  
 blogs, absolute versus relative linking, 22  
 body element, 9, 102, 183-184, 232  
 border attribute, 37, 51, 100  
 border property, 189, 268  
 border-bottom property, 271  
 border-bottom-color property, 272  
 border-bottom-style property, 273  
 border-bottom-width property, 275  
 border-collapse property, 268  
 border-color property, 187, 269  
 border-left property, 271  
 border-left-color property, 187, 272  
 border-left-style property, 274  
 border-left-width property, 275  
 border-right property, 270  
 border-right-color property, 272  
 border-right-style property, 187, 273  
 border-right-width property, 275  
 border-spacing property, 269  
 border-style property, 187, 269  
 border-top property, 270  
 border-top-color property, 271  
 border-top-style property, 273  
 border-top-width property, 187, 274  
 border-width property, 187, 276  
 borders  
   CSS, 187-189  
   removing  
     from frames, 99-100  
     from images, 37  
 bottom property, 276  
 Box Model (CSS), 181-182, 192  
 br element, 16, 232  
 breaks. *See* line breaks  
 browser chrome, 9  
 browser style sheets, 108

browser viewport, 199  
 fixed positioning to, 206-207  
 browsers. *See also names of specific browsers*  
 Box Model (CSS), 182  
 chrome, 198  
 col and colgroup element support, 65  
 CSS layout support, 215  
 default positioning styles, 198  
 DOCTYPE switching, 3  
 hiding scripts from, 45  
 :hover selector support, 178  
 HTML usage in, 1  
 margin values, 183  
 normal flow, 195-196  
 older browsers, borderless frames in, 100  
 resizing, 195-196  
 scrollbars in, 199  
 viewport, 9  
 bulleted lists. *See unordered lists*  
 button element, 232

## C

capitalizing text, 153  
 caption element, 56, 233  
 caption-side property, 276  
 captions in tables, adding, 56  
 cascade, 109  
 Cascading Style Sheets. *See CSS*  
 case of text, transforming, 153-154  
 Celik, TanteK, 3  
 cellpadding attribute, 51  
 cells in tables  
 adding, 53  
 overlapping, 59  
 cellspacing attribute, 51  
 center element, 233  
 centered designs (CSS layout), 222-225  
 centered text, 149  
 character entities in title element, 6  
 character sets (document encoding), 7  
 check boxes in forms  
 adding, 73  
 preselecting, 75  
 checked attribute, 75  
 child selectors (CSS), 260  
 choosing. *See selecting*  
 chrome, 198  
 cite element, 233  
 class attribute, 124  
 class selectors (CSS), 124, 261  
 multiple link styles, 166  
 versus ID selectors, 167  
 clear property, 210, 218, 277  
 clearing floats (CSS), 210-211  
 clip property, 277  
 closing tags in paragraphs, 15  
 CMS (content-management systems),  
 absolute versus relative linking, 22  
 code element, 233  
 codebase attribute, 41  
 col element, 63-65, 234  
 colgroup element, 65, 234  
 color in CSS, 120  
 borders, 188  
 document backgrounds, 122  
 element backgrounds, 122-123  
 hexadecimal color, 120  
 horizontal navigation, 177  
 link backgrounds, 164  
 names of, 121  
 RGB percentages, 121  
 RGB values, 121  
 table backgrounds, 124-125  
 text, 148  
 transparent backgrounds, 134-135  
 vertical navigation, 174-175  
 color property, 148, 277. *See also color in CSS*  
 cols attribute, 78, 92  
 colspan attribute, 60-62  
 columns. *See also cells in tables*  
 fixed, centered design with three columns  
 (CSS layout), 224-225  
 in framesets  
 adding, 92-93  
 combining with rows, 95  
 in tables  
 grouping, 63-65  
 spanning, 60-62  
 three columns with fixed flanking menus  
 (CSS layout), 216-217  
 three columns with masthead and footer  
 (CSS layout), 218-219  
 comments (CSS), 116-117  
 comments (HTML), 10  
 hiding CSS with, 117  
 hiding scripts from browsers, 45



- conformance, 1
- containing blocks (CSS), 197-198
  - absolute positioning to, 202-203
- content. *See* links; text
- content property, 278
- content-management systems (CMS),
  - absolute versus relative linking, 22
- controls
  - check boxes
    - adding, 73
    - preselecting, 75
  - defined, 70
  - input textboxes, adding, 71-72
  - menus, adding, 76-77
  - radio buttons
    - adding, 74
    - preselecting, 75
  - reset buttons, adding, 80
  - submit buttons
    - adding, 80
    - customizing, 81
  - text areas, adding, 78-79
- Crazy Netscape Navigator Frame Tricks Page website, 94
- CSS (Cascading Style Sheets), 107
  - advantages of, 107
  - annotated reference, 259
  - background images
    - attaching, 126-127
    - positioning, 130-131
    - scrolling versus fixed, 132-133
    - tiling, 128-129
  - borders, 187-188
  - Box Model
    - defined, 181-182
    - and DOCTYPE, 192
  - cascade, defined, 109
  - class selectors, 124
  - color, 120
    - document backgrounds, 122
    - element backgrounds, 122-123
    - hexadecimal color, 120
    - names of, 121
    - RGB percentages, 121
    - RGB values, 121
    - table backgrounds, 124-125
    - transparent backgrounds, 134-135
  - comments, 116-117
  - embedded style, applying, 111
  - floats
    - clearing, 210-211
    - defined, 193, 208-209
    - website for information, 219
  - fonts
    - applying, 142-143
    - selecting, 140-141
    - sizing, 144-145
    - style, 147
    - unsupported properties, 158
    - weight, 146
  - formatting, 117
  - hacking, 115
  - horizontal navigation
    - with color, 177
    - with images, 178
  - importing style sheets
    - into documents, 114-115
    - into linked style sheets, 115
  - inheritance, 109
  - inline style, applying, 110
  - layouts
    - browser support for, 215
    - centered designs, 222-223
    - fixed, centered design with three columns, 224-225
    - nested float, 220-221
    - three columns with fixed flanking menus, 216-217
    - three columns with masthead and footer, 218-219
  - linked style, creating, 112-113
  - links
    - modifying styles, 164-165
    - multiple styles of, 166
    - states of, 162-163
    - styling with descendant selectors, 167-168
  - lists
    - ordered lists, 169-170
    - unordered lists, 171-172
  - margins, 183-185, 222
  - padding, 190
  - positioning
    - absolute positioning, 200-203
    - browser viewport, 199
    - containing blocks, 197-198
    - defined, 193-194

- fixed positioning, 206-207
- normal flow, 195-196
- relative positioning, 204-205
- static positioning, 207
- types of, 194
- properties, 266-298
- rules, 108-109
- selectors
  - grouping, 127
  - types of, 260-265
- shorthand, 137
  - backgrounds, 136-137
  - borders, 189
  - fonts, 158
  - lists, 173
  - margins, 186
  - padding, 191
- specificity, 109
- text
  - aligning, 149
  - coloring, 148
  - decorating, 150
  - indenting, 151-152
  - line height, 155
  - spacing, 156
  - styling first letter/line, 157
  - transforming case, 153-154
  - unsupported properties, 158
  - varying, 153-154
- types of style sheets, 108-109
- vertical navigation
  - with color, 174-175
  - with images, 176
- z-index, defined, 193, 212-213
- CSS Zen Garden website, 138
- cursive fonts, 140
- cursor property, 278
- customizing
  - forms, 86
  - submit buttons in forms, 81

## D

- dd element, 21, 235
- declarations (CSS), 108
- declaring HTML pages, 2-3
- decorating text, 150
- decorative fonts, 140
- definition lists, 21

- del element, 235
- deleting. *See* removing
- descendant selectors (CSS), 167-168, 261
- descriptions
  - in meta element, 8
  - of multimedia files, 39
- dfn element, 235
- DHTML (Dynamic HTML), 43. *See also* scripts
- dir element, 236
- direction property, 278
- directory structure
  - for images, 32
  - for multimedia, 38
- display property, 177, 279
- div element, 209, 236
- dl element, 21, 236
- DOCTYPE
  - and Box Model (CSS), 192
  - declarations, 2-3, 91
  - switching, 3
- document backgrounds, color in, 122
- document encoding, 7
- Document Object Model (DOM), 43. *See also* scripts
- document tree, 29
- Document Type Definition (DTD), 2
- documents required for frames, 90. *See also* HTML pages
- DOM (Document Object Model), 43. *See also* scripts
- drop caps, styling, 157
- drop shadows, creating, 158
- drop-down menus in forms, adding, 76-77
- dt element, 21, 237
- DTD (Document Type Definition), 2
- dynamic, defined, 31
- Dynamic HTML (DHTML), 43. *See also* scripts
- dynamic pseudo classes (CSS), 162, 262-265

## E

- element backgrounds
  - color in, 122-123
  - images in, 127
- element selectors (CSS), 262
- elements
  - a, 23, 163, 228
  - abbr, 228



acronym, 228  
address, 229  
applet, 229  
area, 229  
b, 230  
base, 230  
basefont, 230  
bdo, 231  
big, 231  
block-level elements, 227  
blockquote, 231  
body, 9, 102, 183-184, 232  
br, 232  
button, 232  
caption, 56, 233  
center, 233  
cite, 233  
code, 233  
col, 63-65, 234  
colgroup, 65, 234  
dd, 235  
definition lists, 21  
del, 235  
dfn, 235  
dir, 236  
div, 209, 236  
dl, 236  
dt, 237  
em, 237  
embed, 42  
empty elements, 227  
fieldset, 83-84, 237  
font, 238  
form, 70, 238  
frame, 91, 238  
frameset, 91-92, 95, 239  
h#, 239  
head, 5, 111, 239  
headers, 14  
hr, 240  
html, 4, 198, 240  
i, 241  
iframe, 241  
img, 32-33, 42, 241  
inline elements, 227  
input, 71-74, 81-82, 242  
ins, 242  
isindex, 242  
kbd, 243  
label, 82, 243  
legend, 83-84, 243  
li, 244  
line breaks, 16  
link, 5, 113, 244  
links, 23  
map, 244  
menu, 245  
meta, 5, 7-8, 245  
noframes, 101-102, 245  
nonempty elements, 227  
noscript, 45-46, 246  
object, 40-41, 246  
ol, 246  
optgroup, 85, 247  
option, 76, 247  
ordered lists, 17  
p, 248  
paragraphs, 15  
param, 248  
pre, 248  
q, 249  
root, 4  
    absolute positioning to, 200-201  
    as containing block, 198  
s, 249  
samp, 249  
script, 5, 43-44, 250  
select, 76, 250  
small, 250  
span, 251  
strike, 251  
strong, 251  
structural elements, 227  
style, 5, 111, 252  
sub, 252  
table, 50-51, 253  
tbody, 66, 253  
td, 53, 254  
textarea, 78-79, 254  
tfoot, 66, 254  
th, 54, 255  
thead, 66, 255  
title, 5-6, 255  
tr, 52, 256  
tt, 256  
u, 256

- ul, 256
- unordered lists, 18
- var, 257
- em element, 237
- email links, 24-25
- embed element, 42
- embedded style sheets, 108, 111
- embedding
  - multimedia files
    - with embed element, 42
    - with object element, 40-41
  - scripts, 43-44
- empty elements, 227
- empty-cells property, 279
- entities. *See* character entities
- Eric Meyer's CSS Edge website, 178
- Examples
  - absolute linking, 22
  - absolutely positioning a block to its containing block, 202
  - absolutely positioning a block to the root element, 200
  - accessibility features in mailto: links, 25
  - adding content to template, 28
  - alt text description, 35
  - background color for hover state, 164
  - background images for sophisticated navigation effects, 176
  - border attribute, 37
  - border property styles, 188
  - borderless frames, 99
  - borderless frames in older browsers, 100
  - check boxes in forms, 73
  - classes to apply images to ordered lists, 170
  - col element, 63
  - colgroup element, 65
  - coloring text, 148
  - combining colspan and rowspan attributes, 62
  - combining columns and rows in framesets, 95
  - combining nested list types, 20
  - commenting CSS, 116
  - complex layout with centering, positioning, and floats, 224
  - containing blocks, 197
  - document and background elements with color added, 123
  - decorating text with CSS, 150
  - denoting sections with comments, 10
  - details added to multimedia links, 39
  - DOCTYPE declaration for XHTML 1.0 Transitional, 2
  - drop-down form menu, 76
  - embedded style sheets, 111
  - embedding a script, 43
  - embedding Flash movie file with object and embed elements, 42
  - embedding Flash movie file with object element, 41
  - fixed centered design, 222
  - fixed positioning, 206
  - floating div elements, 209
  - floating images, 208
  - floats for layout, 218
  - fluid centered design, 223
  - font styles for links, 164
  - fonts for page elements, 143
  - form fields using fieldset element, 83
  - four-column frame page, 93
  - frameset DOCTYPE declaration, 91
  - frameset document structure, 91
  - frameset with two frame elements, 91
  - graphical submit button, 81
  - grouping table rows, 66
  - head section, 5
  - headers with logical content, 14
  - hexadecimal color, 120
  - hexadecimal shorthand color, 120
  - hiding script with comments, 45
  - hiding text content and markup with comments, 10
  - horizontal list navigation with color effects, 177
  - HTML comments to hide CSS, 117
  - HTML for linked style sheet, 112
  - identifying text input with name and id attributes, 71
  - image in document body, 32
  - image-based bullets, 171
  - importing style with embedded sheet, 114
  - inline frames, 103
  - inline styles demonstrating three marker keywords for unordered lists, 171
  - input textboxes, 71
  - intrapage links, 26

- label element, 82
- letter and word spacing, 156
- line breaks, 16
- line height, 155
- linked style sheet, 112
- linking the image, 36
- linking to absolute address, 23
- linking to audio and video, 38
- linking to scripts, 44
- linking to specific location, 27
- list navigation with background images, 178
- list of links, 174
- list styles, 175
- longhand background styles, 136
- mailto: attribute, 24
- margin values for body element, 183
- margins, resizing, and scrolling in frames, 96
- marking up paragraphs, 15
- meta element for keywords, 8
- meta element for page authorship, 8
- meta element for site or page description, 8
- meta element to declare document encoding for Cyrillic with ISO, 7
- meta element to declare document encoding with Unicode, 7
- method and action attributes in form element, 70
- modifying text input with size and maxlength attributes, 72
- multiple definitions within a list, 21
- multiple link styles, 166
- multiple links with ID and descendant selectors, 167
- naming frames, 97
- negative margins, 185
- nested float layout, 220
- nesting ordered list within ordered list, 19
- noframes element, 101
- normal flow in browser, 195
- noscript element, 46
- optgroup element, 85
- ordered list, 17
- padding properties to add whitespace, 190
- percentages to create fluid layout, 219
- placing the body element, 9
- positioning a background graphic with percentage, length, and keywords, 131
- preselecting check boxes or radio buttons in forms, 75
- providing guidance with comments, 10
- pseudo element selectors, 157
- radio buttons in forms, 74
- range of margin values, 184
- relative positioning, 204
- reset and submit buttons, 80
- root HTML element, 4
- root HTML element with XML namespace attribute and value, 4
- rowspan attribute to span two rows, 58
- spanning columns within table header, 60
- spanning three columns, 61
- spanning three rows in table cell, 59
- specific location for linking to, 27
- styles describing font family, size, and weight, 146
- styles describing font family, size, weight, and style, 147
- styling links with pseudo class and dynamic pseudo class selectors, 162
- styling two floating boxes, 210
- subject attribute, 25
- table caption, 56
- table headers for table columns, 54
- table headers for table rows, 55
- table styles with element and class selectors, 124
- table summary, 57
- table with percentage (fluid) width, 50
- table with pixel (fixed) width, 50
- table with row, 52
- table with single row and three columns, 53
- targeting frames with target and name attributes, 97
- text area with name and id attributes, 79
- text areas, 78
- three-column layout with fixed flanks and fluid center, 216
- title attribute and value, 23
- title element, effective use of, 6
- title element, ineffective use of, 6
- transforming and varying text with CSS, 153
- transparent background color, 134
- two-column frame page, 92

- two-row frame page, 94
  - unordered list, 18
  - viewing structure of XHTML document, 11
  - z-index with positioned boxes, 212
- F**
- fantasy fonts, 140
  - fields in forms, grouping, 83-84
  - fieldset element, 83-84, 237
  - file formats. *See* formats
  - file sizes, multimedia files, 39
  - first letter/line of text, styling, 157
  - :firstchild pseudo class, 263
  - :firstletter pseudo element, 157, 263
  - :firstline pseudo element, 157, 264
  - fixed background images, 132-133
  - fixed positioning (CSS), 206-207
  - fixed value table widths, 50
  - fixed, centered design with three columns (CSS layout), 224-225
  - Flash animations. *See also* multimedia
    - embedding
      - with embed element, 42
      - with object element, 41
    - Macromedia Flash website, 41
  - Flash forms, 69
  - flash of unstyled content (FOUC), 115
  - float property, 279
  - floating frames. *See* iframes
  - floats (CSS)
    - clearing, 210-211
    - defined, 193, 208-209
    - fixed, centered design with three columns (CSS layout), 224-225
    - nested float layout, 220-221
    - three columns with masthead and footer (CSS layout), 218-219
    - website for information, 219
  - fluid value table widths, 50
  - :focus dynamic pseudo class, 264
  - focus link state, 162
  - font element, 238
  - font families, 140, 142-143
  - font family keywords (CSS), 142
  - font property, 158, 280
  - font-family property, 142-143, 280
  - font-size property, 144-145, 280
  - font-size-adjust property, 158
  - font-stretch property, 158
  - font-style property, 147, 281
  - font-variant property, 153-154, 281
  - font-weight property, 146, 282
  - fonts. *See also* text
    - applying, 142-143
    - CSS shorthand, 158
    - selecting, 140-141
    - sizing, 144-145, 158
    - stretching, 158
    - style, 147, 164-165
    - unsupported properties, 158
    - warning about, 139
    - weight, 146
  - footers, three columns with masthead and footer (CSS layout), 218-219
  - for attribute, 82
  - form element, 70, 238
  - form-processing scripts, 70
  - formats, image, 31
  - formatting CSS, 117
  - forms
    - check boxes
      - adding, 73
      - preselecting, 75
    - customizing, 86
    - fields, grouping, 83-84
    - form element, 70
    - importance of, 69
    - input textboxes, adding, 71-72
    - label element, 82
    - menus
      - adding, 76-77
      - grouping items, 85
    - password input fields, adding, 72
    - processing, 86
    - radio buttons
      - adding, 74
      - preselecting, 75
    - reset buttons, adding, 80
    - submit buttons
      - adding, 80
      - customizing, 81
    - text areas, adding, 78-79
    - usage examples, 87
  - FOUC (flash of unstyled content), 115
  - frame element, 91, 238



frameborder attribute, 99-100  
 frames. *See also* framesets  
   advantages and disadvantages of, 89  
   body element, 102  
   borders, eliminating, 99-100  
   documents required for, 90  
   iframes, 103-104  
   margins, 96  
   naming, 97-98  
   noframes element, 101-102  
   resizing, 96  
   scrolling, 96  
   targeting, 97-98  
 frameset element, 91-92, 95, 239  
 framesets  
   columns  
     adding, 92-93  
     combining with rows, 95  
   creating, 91  
   defined, 90  
   rows  
     adding, 94  
     combining with columns, 95  
 framespacing attribute, 100

## G

GIF file format, 31  
 graphics. *See* images  
 grouping  
   form fields, 83-84  
   form menu items, 85  
   selectors, 127  
   table columns  
     with col element, 63-64  
     with colgroup element, 65  
   table rows, 66

## H

h# element, 14, 239  
 hacking CSS, 115  
 handwriting fonts, 140  
 head element, 5, 111, 239  
 headers, 14, 54-55  
 height property, 282

height values of images, 34  
 hexadecimal color in CSS, 120  
 hiding  
   CSS with HTML comments, 117  
   scripts from browsers, 45  
   text, 10  
 horizontal axis, tiling background images, 128  
 horizontal navigation  
   with color, 177  
   with images, 178  
 :hover dynamic pseudo class, 162, 178, 264  
 hover link state, 162  
 hr element, 240  
 href attribute, 23, 113  
 HTML comments, 10  
   hiding CSS with, 117  
   hiding scripts from browsers, 45  
 html element, 4, 198, 240  
 HTML pages  
   building template  
     body element, 9  
     head element, 5  
     HTML comments, 10  
     html element, 4  
     meta element, 7-8  
     saving final template, 11  
     title element, 6  
   declaring, 2-3  
   forms. *See* forms  
   frames. *See* frames  
   images. *See* images  
   importing style sheets directly, 114-115  
   links. *See* links  
   multimedia. *See* multimedia  
   scripts. *See* scripts  
   tables. *See* tables  
   text. *See* text  
   validating, 12  
 hyperlinks. *See* links

## I

i element, 241  
 id attribute, 27, 71, 73, 79, 82  
 ID selectors (CSS), 167, 261  
 IE. *See* Internet Explorer  
 iframe element, 241

iframes, 103-104

images

- alternative text, 35
- background images
  - attaching, 126-127
  - positioning, 130-131
  - scrolling versus fixed, 132-133
  - tiling, 128-129
- defined, 31
- flowing content around, 208
- formats for, 31
- horizontal navigation with, 178
- img element, 32-33, 42, 241
- linking, 36-37
- in ordered list styling, 169
- removing border, 37
- as submit buttons in forms, 81
- in unordered list styling, 171
- vertical navigation with, 176
- width and height values, 34

img element, 32-33, 42, 241

imported style sheets, 109, 114-115

indenting text, 151-152

inherit value (CSS properties), 129

inheritance (CSS), 109, 163

inline elements, 227

inline frames. *See* iframes

inline style sheets, 108, 110

input element, 71-74, 81-82, 242

input textboxes in forms, adding, 71-72

ins element, 242

Internet Explorer

- borderless frames in, 100
- col and colgroup element support, 65
- fixed positioning in, 206
- font sizing, 144
- FOUC (flash of unstyled content), 115
- :hover selector support, 178
- margin values, 183

intrapage links, 26-27

isindex element, 242

ISO 8859-1 character set, 7

ISPs (Internet Service Providers),
 

- form-processing scripts, 70

italic fonts, 147, 164-165

## J-K

Java applets. *See* multimedia

JavaScript. *See* scripts

JPEG file format, 31

justified text, 149

kbd element, 243

keywords
 

- absolute keywords for font sizing, 144
- font family keywords (CSS), 142
- in meta element, 8
- relative keywords for font sizing, 144

## L

label attribute, 85

label element, 82, 243

lang attribute, 4

:lang pseudo class, 265

layout, table usage for, 49, 61

layouts (CSS). *See also* positioning (CSS)

- browser support for, 215
- centered designs, 222-223
- fixed, centered design with three columns, 224-225
- nested float, 220-221
- three columns with fixed flanking menus, 216-217
- three columns with masthead and footer, 218-219

leading (of text), setting, 155

left-aligned text, 149

legend element, 83-84, 243

length values for font sizing, 144-145

letter-spacing property, 156, 282

letters, spacing, 156

li element, 17, 244

line boxes (CSS), 181

line breaks, 16

line height, setting, 155

line-height property, 155, 283

line-through text, 150

link element, 5, 113, 244

:link link pseudo class, 162, 265

link link state, 162



- linked style sheets
  - creating, 112-113
  - defined, 108
  - importing style sheets into, 115
- linking to scripts, 44
- links
  - absolute linking, 22
  - accessibility, 23
  - adding to template, 28-29
  - email links, 24-25
  - horizontal navigation
    - with color, 177
    - with images, 178
  - from images, 36-37
  - intrapage links, 26-27
  - modifying styles, 164-165
  - to multimedia files, 38-39
  - multiple styles of, 166
  - relative linking, 22
  - states of, 162-163
  - styling with descendant selectors, 167-168
  - syntax, 23
  - vertical navigation
    - with color, 174-175
    - with images, 176
- list menus in forms, adding, 77
- List-O-Matic website, 179
- list-style property, 173, 283
- list-style-image property, 171, 283
- list-style-position property, 172, 284
- list-style-type property, 169, 284
- Listamatic website, 179
- lists
  - CSS shorthand, 173
  - definition lists, 21
  - horizontal navigation
    - with color, 177
    - with images, 178
  - nesting lists, 19-20
  - ordered lists, 17, 169-170
  - unordered lists, 18, 171-172
  - vertical navigation
    - with color, 174-175
    - with images, 176
- lowercasing text, 153

## M

- Macromedia Flash website, 41
- magic target names (frames), 98
- mailto: attribute, 24
- map element, 244
- margin property, 186, 284
- margin-bottom property, 286
- margin-left property, 285
- margin-right property, 285
- margin-top property, 285
- marginheight attribute, 96
- margins in frames, 96
- margins (CSS), 183-184
  - negative margins, 185, 222
  - shorthand, 186
- marginwidth attribute, 96
- mastheads, three columns with masthead and
  - footer (CSS layout), 218-219
- max-height property, 286
- max-width property, 286
- maxlength attribute, 72
- media. *See* multimedia
- media attribute, 113
- menu element, 245
- menus in forms
  - adding, 76-77
  - grouping items, 85
- meta element, 5, 7-8, 245
- method attribute, 70, 80
- min-height property, 287
- min-width property, 287
- monospace fonts, 140
- Mozilla
  - col and colgroup element support, 65
  - margin values, 183
- multimedia
  - defined, 31
  - embedding
    - with embed element, 42
    - with object element, 40-41
  - links to, 38-39
  - multiple attribute, 77

## N

- name attribute, 26-27, 71, 73-74, 78, 97
- names for CSS colors, 121
- namespace. *See* XML namespace

naming frames, 97-98  
 navigation. *See also* links  
   horizontal navigation  
     with color, 177  
     with images, 178  
   vertical navigation  
     with color, 174-175  
     with images, 176  
 negative margins (CSS), 185, 222  
 nested float (CSS layout), 220-221  
 nesting  
   framesets, 95  
   lists, 19-20  
 Netscape  
   borderless frames in, 100  
   CSS in, 114  
 noframes element, 101-102, 245  
 nonempty elements, 227  
 noresize attribute, 96  
 normal flow, 195-196, 204-205  
 noscript element, 45-46, 246  
 numbered lists. *See* ordered lists

## O

object element, 40-41, 246  
 objects, 40  
 oblique faces, 147  
 octothorpe (#), intrapage links, 26  
 ol element, 17, 246  
 online banking, Wells Fargo website, 87  
 optgroup element, 85, 247  
 option element, 76, 247  
 order of precedence, CSS rules, 109  
 ordered lists, 17, 169-170  
   nesting, 19-20  
 orientation, 6  
 outdenting text, 152  
 outline property, 288  
 outline-color property, 288  
 outline-style property, 288  
 outline-width property, 289  
 overflow property, 289  
 overlapping table cells, 59  
 overlined text, 150

## P

p element, 15, 248  
 padding (CSS), 190-191  
 padding property, 191, 290  
 padding-bottom property, 190, 291  
 padding-left property, 190, 291  
 padding-right property, 190, 290  
 padding-top property, 190, 290  
 page breaks. *See* line breaks  
 page-break-after property, 291  
 page-break-before property, 292  
 page-break-inside property, 292  
 pages. *See* HTML pages  
 paragraphs, 15  
 param element, 248  
 parameter attribute, 41  
 password input fields in forms, adding, 72  
 percentage values  
   font sizing, 145  
   table widths, 50  
 pixel value table widths, 50  
 PNG file format, 31  
 position property, 292  
 positioning background images, 130-131  
 positioning (CSS). *See also* layouts (CSS)  
   absolute positioning  
     to containing block, 202-203  
     to root element, 200-201  
   browser viewport, 199  
   containing blocks, 197-198  
   defined, 193-194  
   fixed positioning, 206-207  
   normal flow, 195-196  
   relative positioning, 204-205  
   static positioning, 207  
   types of, 194  
 pound sign. *See* octothorpe  
 pre element, 248  
 precedence, CSS rules, 109  
 preselecting  
   check boxes or radio buttons in forms, 75  
   drop-down form menu choices, 76  
 properties (CSS)  
   background, 136-137, 266  
   background-attachment, 132-133, 266  
   background-color, 122, 134-135, 266



background-image, 126, 267  
 background-position, 130-131, 267  
 background-repeat, 128-129, 267  
 border, 189, 268  
 border-bottom, 271  
 border-bottom-color, 272  
 border-bottom-style, 273  
 border-bottom-width, 275  
 border-collapse, 268  
 border-color, 187, 269  
 border-left, 271  
 border-left-color, 187, 272  
 border-left-style, 274  
 border-left-width, 275  
 border-right, 270  
 border-right-color, 272  
 border-right-style, 187, 273  
 border-right-width, 275  
 border-spacing, 269  
 border-style, 187, 269  
 border-top, 270  
 border-top-color, 271  
 border-top-style, 273  
 border-top-width, 187, 274  
 border-width, 187, 276  
 bottom, 276  
 caption-side, 276  
 clear, 210, 218, 277  
 clip, 277  
 color, 148, 277. *See also* color in CSS  
 content, 278  
 cursor, 278  
 defined, 108  
 direction, 278  
 display, 177, 279  
 empty-cells, 279  
 float, 279  
 font, 158, 280  
 font-family, 142-143, 280  
 font-size, 144-145, 280  
 font-size-adjust, 158  
 font-stretch, 158  
 font-style, 147, 281  
 font-variant, 153-154, 281  
 font-weight, 146, 282  
 height, 282  
 letter-spacing, 156, 282  
 line-height, 155, 283  
 list-style, 173, 283  
 list-style-image, 171, 283  
 list-style-position, 172, 284  
 list-style-type, 169, 284  
 margin, 186, 284  
 margin-bottom, 286  
 margin-left, 285  
 margin-right, 285  
 margin-top, 285  
 max-height, 286  
 max-width, 286  
 min-height, 287  
 min-width, 287  
 outline, 288  
 outline-color, 288  
 outline-style, 288  
 outline-width, 289  
 overflow, 289  
 padding, 191, 290  
 padding-bottom, 190, 291  
 padding-left, 190, 291  
 padding-right, 190, 290  
 padding-top, 190, 290  
 page-break-after, 291  
 page-break-before, 292  
 page-break-inside, 292  
 position, 292  
 quotes, 293  
 right, 293  
 table-layout, 294  
 text-align, 149, 294  
 text-decoration, 150, 165, 294  
 text-indent, 151-152, 295  
 text-shadow, 158  
 text-transform, 153-154, 295  
 top, 295  
 unicode-bidi, 296  
 vertical-align, 296  
 visibility, 297  
 white-space, 297  
 width, 297  
 word-spacing, 156, 298  
 z-index, 298  
 pseudo classes (CSS), 162  
   inheritance, 163  
   types of, 262-265  
 pseudo element selectors (CSS)  
   for links, 162  
   for text, 157  
   types of, 262-265

**Q-R**

- q element, 249
- quotes property, 293
- radio buttons in forms
  - adding, 74
  - preselecting, 75
- ragged right text, 149
- rel attribute, 113
- relative keywords for font sizing, 144
- relative length values for font sizing, 144-145
- relative linking, 22
- relative positioning (CSS), 204-205
- removing
  - frame borders, 99-100
  - image border, 37
  - underlined text from links, 165
- reset buttons in forms, adding, 80
- resizing
  - browsers, 195-196
  - frames, 96
- RGB percentages in CSS, 121
- RGB values in CSS, 121
- rich, defined, 31
- right property, 293
- right-aligned text, 149
- root element, 4
  - absolute positioning to, 200-201
  - as containing block, 198
- rows
  - in framesets
    - adding, 94
    - combining with columns, 95
  - in tables
    - adding, 52
    - grouping, 66
    - spanning, 58-59, 62
- rows attribute, 78, 94
- rowspan attribute, 58-59, 62
- rules (CSS)
  - defined, 108
  - formatting, 117
  - order of precedence, 109

**S**

- s element, 249
- Safari, small caps text in, 154
- samp element, 249
- sans-serif fonts, 140
- saving HTML page template, 11
- script element, 5, 43-44, 250
- scripts
  - defined, 31, 43
  - embedding, 43-44
  - hiding from browsers, 45
  - linking to, 44
  - noscript element, 45-46
  - websites for, 46
- scrollbars in browsers, 199
- scrolling
  - and accessibility, 133
  - background images, 132-133
  - in frames, 96
- scrolling attribute, 96
- search engines and keywords in meta
  - element, 8
- select element, 76, 250
- selected attribute, 76-77
- selecting fonts, 140-141
- selectors (CSS)
  - class selectors, 124
    - multiple link styles, 166
    - versus ID selectors, 167
  - defined, 108
  - descendant selectors, 167-168
  - grouping, 127
  - ID selectors, 167
  - pseudo element selectors
    - for links, 162
    - for text, 157
  - types of, 260-265
  - universal selector, 204
- serif fonts, 140
- SGML (Standardized General Markup Language), 2
- shadows, creating drop shadows, 158
- shorthand (CSS), 137
  - backgrounds, 136-137
  - borders, 189
  - fonts, 158
  - hexadecimal color, 120



- lists, 173
  - margins, 186
  - padding, 191
  - size attribute, 72, 77
  - sizes. *See* file sizes; height values; width values
  - sizing fonts, 144-145, 158
  - small caps text, 153
  - small element, 250
  - spacing
    - in tables, 51
    - text, 156
  - span attribute, 63
  - span element, 251
  - spanning
    - table columns, 60-62
    - table rows, 58-59, 62
  - specific locations, linking to. *See* intrapage links
  - specificity (CSS), 109
  - src attribute, 32
  - Standardized General Markup Language (SGML), 2
  - static positioning (CSS), 207
  - stretching fonts, 158
  - strike element, 251
  - strong element, 251
  - structural elements, 227
  - structure. *See also* HTML pages, building
    - template
      - document tree, 29
      - of framesets, 91
      - importance of, 47
  - style attribute, 110
  - style element, 5, 111, 252
  - style of fonts, 147, 164-165
  - style sheets. *See also* CSS
    - embedded style, applying, 111
    - importing
      - into documents, 114-115
      - into linked style sheets, 115
    - inline style, applying, 110
    - linked style, creating, 112-113
    - types of, 108-109
  - sub element, 252
  - subdirectories
    - for images, 32
    - for multimedia, 38
  - subject attribute, 25
  - submit buttons in forms
    - adding, 80
    - customizing, 81
  - summaries in tables, adding, 57
  - summary attribute, 57
  - sup element, 252
  - switching DOCTYPE, 3
  - syntax
    - DOCTYPE declarations, 2
    - formatting CSS rules, 117
    - HTML comments, 10
    - links, 23
- T**
- tabindex attribute, 23, 25
  - table element, 50-51, 253
  - table-layout property, 294
  - tables
    - accessibility, 57
    - background color in, 124-125
    - borders, 51
    - captions, adding, 56
    - cells
      - adding, 53
      - overlapping, 59
    - columns
      - grouping, 63-65
      - spanning, 60-62
    - headers, adding, 54-55
    - layout usage of, 49, 61
    - rows
      - adding, 52
      - grouping, 66
      - spanning, 58-59, 62
    - spacing in, 51
    - summaries, adding, 57
    - table element, 50-51
    - width, setting, 50-51
  - tags. *See* elements
  - target attribute, 97
  - targeting frames, 97-98
  - tbody element, 66, 253
  - td element, 53, 254
  - template. *See also* HTML pages, building
    - template
      - adding content to, 28-29
      - structure of, 11

- text. *See also* fonts
    - adding to template, 28-29
    - aligning, 149
    - alternative text for images, 35
    - coloring, 148
    - decorating, 150
    - definition lists, 21
    - drop shadows, 158
    - font families, applying, 142-143
    - headers, 14
    - hiding, 10
    - indenting, 151-152
    - line breaks, 16
    - line height, 155
    - nesting lists, 19-20
    - ordered lists, 17
    - paragraphs, 15
    - spacing, 156
    - styling first letter/line, 157
    - transforming case, 153-154
    - underlined text, removing from links, 165
    - unordered lists, 18
    - unsupported properties, 158
    - varying, 153-154
  - text-align property, 149, 294
  - text-decoration property, 150, 165, 294
  - text-indent property, 151-152, 295
  - text-shadow property, 158
  - text-transform property, 153-154, 295
  - textarea element, 78-79, 254
  - textareas in forms, adding, 78-79
  - textboxes in forms. *See* input textboxes in forms
  - tfoot element, 66, 254
  - th element, 54, 255
  - thead element, 66, 255
  - three columns with fixed flanking menus (CSS layout), 216-217
  - three columns with masthead and footer (CSS layout), 218-219
  - tiling background images, 128-129
  - title attribute, 23, 25, 39
  - title element, 5-6, 255
  - top property, 295
  - tr element, 52, 256
  - tracking (of text), setting, 156
  - transforming text case, 153-154
  - transitional design, 49
  - transparent backgrounds, 134-135
  - tt element, 256
  - type attribute, 71, 73, 81, 111, 113
  - typography. *See* fonts; text
- ## U
- u element, 256
  - ul element, 18, 256
  - underlined text, 150
    - removing from links, 165
  - Unicode character sets, 7
  - unicode-bidi property, 296
  - universal selectors (CSS), 204, 262
  - unordered lists, 18, 171-172
  - uppercasing text, 153
  - usability and link styles, 164. *See also*
    - accessibility
  - user style sheets, 108
  - UTF-8 character set, 7
- ## V
- validation, 1, 12
  - validators, 3
  - valign attribute, 64
  - value attribute, 74, 80
  - var element, 257
  - varying text, 153-154
  - vertical axis, tiling background images, 128-129
  - vertical navigation
    - with color, 174-175
    - with images, 176
  - vertical-align property, 296
  - video files, links to, 38-39. *See also* multimedia
  - viewport
    - defined, 9, 199
    - fixed positioning to, 206-207
  - visibility property, 297
  - :visited link pseudo class, 162, 265
  - visited link state, 162

## W

- Web, origin of, 13
- web browsers. *See* browsers
- web graphics. *See* images
- websites
  - Crazy Netscape Navigator Frame Tricks
    - Page, 94
  - CSS Zen Garden, 138
  - Eric Meyer's CSS Edge, 178
  - floats information, 219
  - font sizing information, 145
  - forms processing information, 86
  - FOUC (flash of unstyled content)
    - information, 115
  - hacking CSS, 115
  - List-O-Matic, 179
  - Listamatic, 179
  - Macromedia Flash, 41
  - negative margins information, 185
  - for scripts, 46
  - table accessibility information, 57
  - for validating HTML pages, 12
  - Wells Fargo (online banking), 87
- weight of fonts, 146
- Wells Fargo website, 87
- white-space property, 297
- whitespace. *See* padding (CSS)
- width attribute, 50-51, 63
- width of borders (CSS), 187
- width property, 297
- width values of images, 34
- word-spacing property, 156, 298
- words, spacing, 156

## X-Z

- x-axis, tiling background images, 128
- XHTML, XML namespace for, 4
- XHTML 1.0 Transitional DTD, 2-3
- XHTML annotated reference, 227
- XML namespace for XHTML, 4
- xml:lang attribute, 4
- xmlns attribute, 4
- y-axis, tiling background images, 128-129
- z-index (CSS), 193, 212-213
- z-index property, 298

