BOX MODEL

margin-top, margin-right, margin-bottom, margin-left § 8.3

Value: <length> | <percentage> | auto | inherit
Default: 0

margin § 8.3

Value: (<length> | <percentage> | auto){1,4} | inherit
Default: not defined for shorthand properties

padding-top, padding-right, padding-bottom, padding-left § 8.4

Value: <length> | <percentage> | inherit
Default: 0

padding § 8.4

Value: (<length> | <percentage>){1,4} | inherit
Default: not defined for shorthand properties

border-top-width, border-right-width, border-bottom-width, border-left-width § 8.5.1

Value: thin | **medium** | thick | <length> | inherit

border-width § 8.5.1

Value: (thin | medium | thick | <length>){1,4} | inherit
Default: see individual properties

border-top-color, border-right-color, border-bottom-color, border-left-color § 8.5.2

Value: <color> | inherit
Default: the value of the 'color' property

border-color § 8.5.2

Value: <color>{1,4} | transparent | inherit
Default: see individual properties

border-top-style, border-right-style, border-bottom-style, border-left-style § 8.5.3

Value: **none** | hidden | dotted | dashed | solid | double | groove | ridge | inset | outset | inherit

border-style § 8.5.3

Value: (none | hidden | dotted | dashed | solid | double | groove | ridge | inset | outset){1,4} | inherit
Default: see individual properties

border-top, border-right, border-bottom, border-left § 8.5.4

Value: [<border-top-width> || <border-style> || <color>] | inherit
Default: see individual properties

border § 8.5.4

Value: [<border-width> || <border-style> || <color>] | inherit
Default: see individual properties

VISUAL FORMATTING MODEL

display 9.2.5

Value: **inline** | block | list-item | run-in | compact | marker | 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

position 9.3.1

Value: **static** | relative | absolute | fixed | inherit

top, right, bottom, left 9.3.2

Value: <length> | <percentage> | **auto** | inherit

float 9.5.1

Value: left | right | **none** | inherit

clear 9.5.2

Value: **none** | left | right | both | inherit

z-index 9.9.1

Value: **auto** | <integer> | inherit

direction 9.10

Value: **ltr** | rtl | inherit

unicode-bidi 9.10

Value: **normal** | embed | bidi-override | inherit

VISUAL FORMATTING MODEL DETAILS

width 10.2

Value: <length> | <percentage> | **auto** | inherit

height 10.5

Value: <length> | <percentage> | **auto** | inherit

min-width 10.4

Value: <length> | <percentage> | inherit
Default: UA dependent

min-height 10.7

Value: <length> | <percentage> | inherit
Default: 0

max-width 10.4

Value: <length> | <percentage> | **none** | inherit

max-height 10.7

Value: <length> | <percentage> | **none** | inherit

line-height 10.8.1

Value: **normal** | <number> | <length> | <percentage> | inherit

vertical-align 10.8.1

Value: **baseline** | sub | super | top | text-top | middle | bottom | text-bottom | <percentage> | <length> | inherit

VISUAL EFFECTS

overflow 11.1.1

Value: **visible** | hidden | scroll | auto | inherit

clip 11.1.2

Value: rect(<top> || <right> || <bottom> || <left>) | **auto** | inherit

visibility 11.2

Value: visible | hidden | collapse | **inherit**

GENERATED CONTENT, AUTOMATIC NUMBERING, AND LISTS

content 12.2

Value: [<string> | <uri> | <counter> | attr(X) | open-quote | close-quote | no-open-quote | no-close-quote]+ | inherit
Default: empty string

quotes 12.4.1

Value: [<string> <string>]+ | none | inherit
Default: depends on user agent

counter-reset, counter-increment 12.5

Value: [<identifier> <integer>?]+ | **none** | inherit

marker-offset 12.6.1

Value: <length> | **auto** | inherit

list-style-type 12.6.2

Value: **disc** | circle | square | decimal | decimal-leading-zero | lower-roman | upper-roman | lower-greek | lower-alpha | lower-latin | upper-alpha | upper-latin | hebrew | armenian | georgian | cjk-ideographic | hiragana | katakana | hiragana-iroha | katakana-iroha | none | inherit

list-style-image 12.6.2

Value: <uri> | **none** | inherit

list-style-position 12.6.2

Value: inside | **outside** | inherit

list-style 12.6.2

Value: [<'list-style-type'> || <'list-style-position'> || <'list-style-image'>] | inherit
Default: not defined for shorthand

PAGED MEDIA

Size 13.2.2

Value: <length>{1,2} | **auto** | portrait | landscape | inherit

marks 13.2.3

Value: [crop || cross] | **none** | inherit

page-break-before, page-break-after 13.3

Value: **auto** | always | avoid | left | right | inherit

page-break-inside 13.3

Value: avoid | **auto** | inherit

page 13.3.2

Value: <identifier> | **auto**

orphans, widows 13.3.3

Value: <integer> | inherit
Default: 2

COLORS AND BACKGROUNDS

color 14.1

Value: <color> | inherit
Default: depends on user agent

background-image 14.2.1

Value: <uri> | **none** | inherit

background-attachment 14.2.1

Value: **scroll** | fixed | inherit

background-color 14.2.1

Default: <color> | **transparent** | inherit

background-repeat 14.2.1

Value: **repeat** | repeat-x | repeat-y | no-repeat | inherit

background-position 14.2.1

Value: [[<percentage> | <length>]{1,2} | [[top | center | bottom] || [left | center | right]]] | inherit
Default: 0% 0%

background 14.2.1

Value: [<background-color> || <background-image> || <background-repeat> || <background-attachment> || <background-position>] | inherit
Default: not defined for shorthand properties

FONTS

font-family 15.2.2

Value: [[<family-name> | (serif | sans-serif | cursive | fantasy | monospace)],]* [<family-name> | (serif | sans-serif | cursive | fantasy | monospace)] | inherit
Default: depends on user agent

font-style 15.2.3

Value: **normal** | italic | oblique | inherit

font-variant 15.2.3

Value: **normal** | small-caps | inherit

font-weight 15.2.3

Value: **normal** | bold | bolder | lighter | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | inherit

font-stretch 15.2.3

Value: **normal** | wider | narrower | ultra-condensed | extra-condensed | condensed | semi-condensed | semi-expanded | expanded | extra-expanded | ultra-expanded | inherit

font-size 15.2.4

Value: [xx-small | x-small | small | **medium** | large | x-large | xx-large] | [larger | smaller] | <length> | <percentage> | inherit

font-size-adjust 15.2.4

Value: <number> | **none** | inherit

Font 15.2.5

Value: [[<font-style> || <font-variant> || <font-weight>]? <font-size> [/ <line-height>]? <font-family>] | caption | icon | menu | message-box | small-caption | status-bar | inherit
Default: see individual properties

TEXT

text-indent 16.1

Value: `<length> | <percentage> | inherit`
Default: 0

text-align 16.2

Value: `left | right | center | justify | <string> | inherit`
Default: depends on user agent and writing direction

text-decoration 16.3

Value: **none** `| [ underline || overline || line-through || blink ] |` `inherit`

text-shadow 16.3.2

Value: **none** `| [<color> || <length> <length> <length>? ,]* [<color> ||` `<length> <length> <length>?] | inherit`

letter-spacing 16.4	text-transform 16.5
Value: **normal** `| <length> |` `inherit`	*Value:* `capitalize	uppercase |` `lowercase |` **none** `| inherit`

word-spacing 16.4	white-space 16.6
Value: **normal** `| <length> |` `inherit`	*Value:* **normal** `| pre	nowrap |` `inherit`

TABLES

caption-side 17.4.1	border-spacing 17.6.1
Value: **top** `| bottom	left |` `right	inherit`	*Value:* `<length> <length>? |` `inherit` *Default:* 0

table-layout 17.5.2	empty-cells 17.6.1
Value: **auto** `| fixed	inherit`	*Value:* **show** `| hide	inherit`

border-collapse 17.6	speak-header 17.7.1
Value: **collapse** `| separate |` `inherit`	*Value:* **once** `| always	inherit`

USER INTERFACE

cursor 18.1

Value: `[ [<uri> ,]* [` **auto** `| crosshair | default | pointer | move |` `e-resize | ne-resize | nw-resize | n-resize | se-resize | sw-` `resize | s-resize | w-resize| text | wait | help ] ] | inherit`

outline 18.4	outline-width 18.4
Value: `[ <'outline-color'> ||` `<'outline-style'> ||` `<'outline-width'> ] |` `inherit` *Default:* see individual properties	*Value:* `<border-width>	inherit` *Default:* medium
	outline-style 18.4
	Value: `<border-style>	inherit` *Default:* none

outline-color 18.4

Value: `<color> |` **invert** `| inherit`

AURAL STYLE SHEETS

volume 19.2

Value: `<number> | <percentage> | silent | x-soft | soft |` **medium** `|` `loud | x-loud | inherit`

speak 19.3	pause-before, pause-after 19.4
Value: **normal** `| none	spell-out` `| inherit`	*Value:* `<time>	<percentage> |` `inherit` *Default:* depends on user agent

pause 19.4

Value: `[ [<time> | <percentage>]{1,2} ] | inherit`
Default: depends on user agent

cue-before 19.5

Value: `<uri> |` **none** `| inherit`

---

cue 19.5

Value: `[ <'cue-before'> || <'cue-after'> ] | inherit`
Default: not defined for shorthand properties

play-during 19.6

Default: `<uri> mix? repeat? |` **auto** `| none | inherit`

azimuth 19.7

Value: `<angle> | [[ left-side | far-left | left | center-left |` **center** `| center-right | right | far-right | right-side ] ||` `behind ] | leftwards | rightwards | inherit`

elevation 19.7	speech-rate 19.8
Value: `<angle>	below |` **level** `|` `above	higher	lower |` `inherit`	*Value:* `<number>	x-slow	slow |` **medium** `| fast	x-fast |` `faster	slower	inherit`

voice-family 19.8

Value: `[[<specific-voice> | <generic-voice> ],]* [<specific-voice> |` `<generic-voice> ] | inherit`
Default: depends on user agent

pitch 19.8	speak-punctuation 19.9
Default: `<frequency>	x-low	low` `|` **medium** `| high	x-high |` `inherit`	*Value:* `code |` **none** `| inherit`
	speak-numeral 19.9
pitch-range, stress, richness 19.8	*Value:* `digits |` **continuous** `|` `inherit`
Value: `<number>	inherit` *Default:* 50	

UNITS

Relative Length Units 4.3.2	Times 4.3.8
em, ex, px	ms, s
Absolute Length Units 4.3.2	**Frequencies 4.3.9**
in, cm, mm, pt, pc	Hz, kHz
Angle 4.3.7	**Color Units 4.3.6**
deg, grad, rad	#f00, #ff0000, rgb(255,0,0), rgb(100%, 0%, 0%)

PSEUDO CLASSES, PSEUDO ELEMENTS AND MEDIA TYPES

Anchor Pseudo Classes	Media Types

`a:link    /* unvisited link */`
 `a:visited /* visited links */`
 `a:active  /* active links */`
	`all, aural, braille, embossed,`
	 `handheld, print, projection,`
	 `screen, tty, tv`

Typographic Pseudo Elements

```
p:first-line        /* first line of p element */
p:first-letter      /* first letter of p element */
p:before            /* content before p in document tree */
p:after             /* content after p in document tree */
@page:left          /* left page margin properties */
@page:right         /* right page margin properties */
```

CSS SAMPLES

```
h1 { font-family: Times; }    /* all h1 elements */
h1, h2 { font-width: bold; }  /* all h1 and h2 elements */
h1 em { color: red; }         /* em elements within h1 elements/
.para { font-family: Arial; } /* all elements with class='para' */
#p4 { letter-spacing: 12px; } /* the element with id='p4' */
@page:left { margin: 2cm }    /* margin for media type 'page'*/
@import "list.css";           /* import from file 'list.css' */
```

NOTATION

```
a b       a followed by b
[a b]     Grouping of a and b
a | b     a or b
a || b    either a or b or both in any order
a?        a is optional
a*        zero or more occurrences of a
a+        one or more occurrences of a
a{1, 4}   a occurs at least once and at most 4 times
```

QUICK REFERENCE

Cascading Style Sheets (CSS)
Level 2

W3C Recommendation
12-May-1998

`http://www.w3.org/TR/REC-CSS2/`

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