

Units / lengths / URIs and colors:

Relative units:

- em** The 'font-size' of the relevant font.
- ex** The x-height (often the height of the lowercase 'x') of the relevant font.
- vh** Percentage of the view-port height
- vw** Percentage of the view-port width

Absolute length units:

- in** inches (2.54cm)
- cm** centimeters
- mm** millimeters
- pt** 'points' (1pt = 1/72 of an inch)
- pc** 'picas' (1pc = 12pt)
- px** 'pixel units' 1px = 0.75pt = 1/96 inch.

Percentages: *number* followed by a '%' character, ex: **90%**

URLs and URIs: **url(*string*)** where *string* is optionally enclosed in single or double quotes. ex: **body { background: url(http://test.com/bg.png) }**

Colors: A keyword or a numerical RGB specification:

Keywords like:

black, blue, gray, green, orange, purple, red, white, and yellow, etc.

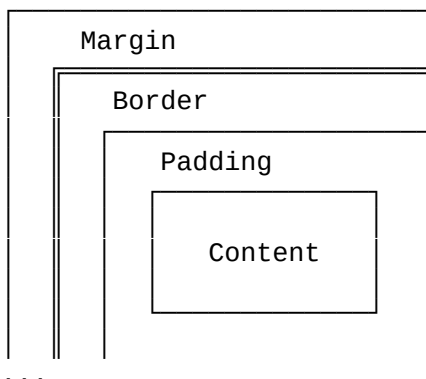
RGB: **#rgb**, **#rrggbb**, **rgb(<0-255>,<0-255>,<0-255>)**,

rgb(<0-100%>,<0-100%>,<0-100%>), **rgba(<0-255>,<0-255>,<0-255>,<0-1>)**

CSS 1 & 2 Selectors:

<u>Selector</u>	<u>Selects</u>
*	All elements (default)
E.class	E element in the class ' class ' (class attribute)
E#id	E with attribute id='id'
E	All E elements
E, F	All E and F elements
E F	All F elements that are inside of an E
E[foo]	All E elements w/ the attribute foo set (any value).
E[foo=value]	All E elements w/ the attribute foo set to value .
E:link	E when E is a hyperlink and unvisited.
E:visited	E when E is a hyperlink and visited.
E:hover	E on mouse-over
E:first-child	E when E is the first child of its parent.
E:nth-child(n)	Every E matching the <i>n</i> th child condition

Box model:



* = (top | right | bottom | left)
{1-4} = 1 to 4 parameters: All | TB RL | T RL B | T R B L

Margin:
margin-*, **margin:** {1-4}
Value: *size*

Padding:
padding-*, **padding:** {1-4}
Value: *size*

Border width:
border-*-width, **border-width:** {1-4}
Value: 'thin' | 'medium' | 'thick' | *length*

Border color:
border-*-color, **border-color:** {1-4}
Value: *color* | 'transparent'

Border-style:
border-*-style, **border-style:** {1-4}
Value: 'none' | 'hidden' | 'dotted' | 'dashed' | 'solid' | 'double' | 'groove'
| 'ridge' | 'inset' | 'outset'

Border-shorthand:
border-*, **border:** {1-4}
Values: [*border-width* || *border-style* || *border-color*]

Visual formatting:

display Changes the way an element displays.
Values: inline | block | list-item | 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

width Width of content box
min-width
max-width
Values: *length* | *percentage* | 'auto' | 'inherit'

height Height of content box
min-height
max-height
Values: *length* | *percentage* | 'auto' | 'inherit'

position Sets the elements positioning algorithm
Values:
static - Box is a normal box. 'top'/'bottom'/'left'/'right' ignored.
relative - Position is calculated per normal, then offset relative to its normal position.
absolute - Positioned relative to its nearest positioned ancestor (i.e. not static.) Absolute elements are taken out of the normal flow and have no effect on the layout of other elements.
fixed - Like absolute, but fixed w/ respect to some reference. (i.e. fixed to view-port and does not scroll.)

top Position from the X margin edge to the X edge of the container.
bottom
left
right

Values:

- length* - Fixed distance from the reference edge. May be negative
- percentage* - offset percentage of the containing block width or height. May be negative.

auto | **inherit**

float Specifies if a box should float to one side or not.

Values: '**left**' | '**right**' | '**none**' | '**inherit**'

clear Indicates which sides of an element's box(es) may not be adjacent to an earlier floating box.

Values: '**none**' | '**left**' | '**right**' | '**both**' | '**inherit**'

z-index Sets the stack level of a box.

Values: *integer* | '**auto**' | '**inherit**'

overflow Specifies if content is clipped if it overflows the content overflow
overflow-x area.

overflow-y

Values: '**visible**' | '**hidden**' | '**scroll**' | '**auto**'

opacity Sets the opacity level for an element

Values: *number* | '**initial**' | '**inherit**'

number ranges from **0.0** (fully transparent) to **1.0** (fully opaque)

visibility Sets the visibility of an element

Values: '**initial**' | '**inherit**'

- | '**visible**' - Default
- | '**hidden**' - Invisible but still takes up space
- | '**collapse**' - Collapses table cells (rows or columns), frees up space for other elements.

- Use **display: none** to remove an element from the flow.

Colors and Backgrounds:

color Sets the foreground color property

Values: *color* | '**inherit**'

background-color Sets the background color

Values: *color* | '**transparent**' | '**inherit**'

background: Shortcut

Tables:

border-collapse Sets the tables border model

Values: **collapse** | **separate** | **inherit**

border-spacing Sets the tables border spacing in the separated borders model.

Values: *length* | *length?* | **inherit**

- 1 *length* = horizontal and vertical spacing
- 2 *lengths* = 1st horizontal then vertical spacing

Fonts:

font-family Prioritized list of font families or generic-family names.
Values: [[*family-name* | *generic-family*] [,*family-name* | *generic-family*]*]
| **inherit**

family-names: 'Arial', 'Helvetica', etc.

generic-family: **serif** | **sans-serif** | **cursive** | **fantasy** | **monospace**

- Serif's are the little points on the edges of characters (Like times).
- Sans-serif are "sans the serif" -- blunt edges like Arial.
- Monospace are fixed-width character fonts (often called console fonts)

font-style Selects between normal, italic or oblique font faces.
Values: **normal** | **italic** | **oblique** | **inherit**

- An italic font is a cursive font, often having a different, more cursive form than regular glyphs.
- An oblique font is a regular font that has been slanted to the right and will appear much like an italic font.

font-weight Select the weight of the font.
Values: **normal** | **bold** | **bolder** | **lighter** | **100** - **900** (in **100** increments)
| **inherit**
normal = **400**, bold = **700**

font-size Sets the font-size corresponding to the em square.
Values: *absolute-size* | *relative-size* | *length* | *percentage* | **inherit**

absolute-size=[**xx-small**, **x-small**, **small**, **medium**, **large**, **x-large**, **xx-large**]
relative-size=[**larger**, **smaller**, *size*]

font Shorthand

Text:

text-align Sets the text alignment
Values: **left** | **right** | **center** | **justify** | **inherit**

vertical-align Sets the vertical alignment of an element.
Values: *length* | **baseline** | **sub** | **super** | **top** | **text-top** | **middle** | **bottom**
| **text-bottom**

white-space Defines how white-space is handled.
Values: **normal**
pre - Like **<pre>** tag, white-space is preserved, only wraps on line breaks
pre-line - Collapses multiple white-space into one white-space.
pre-wrap - White-space is preserved, wraps when necessary and on line breaks
nowrap - White-space is collapsed, text never wraps w/o a **
**

Fancy text:

text-decoration-line Sets the line property, if any.
Values: **none** | **underline** | **overline** | **line-through** | **blink**

text-decoration-style Sets the style of the text decoration
Values: **solid** | **double** | **dotted** | **dashed** | **wavy**

text-decoration-color Sets the color of the text decoration
Values: *color*

text-decoration Shorthand
Values: *text-decoration-line* || *text-decoration-style* || *text-decoration-color*

cursor Specify the type of cursor to display when pointing at the element.
Values: lots...
Look at <http://cs.indstate.edu/~sbaker/cs479/code/CSS/cursors.html>

Generated content, automatic numbering, and lists:

list-style-type Specifies the appearance of a list item marker
Values: *disc* | *circ* | *square* | *decimal* | *decimal-leading-zero* | *lower-roman*
| *upper-roman* | *lower-greek* | *lower-latin* | *upper-latin* | *armenian*
| *georgian* | *lower-alpha* | *upper-alpha* | *none* | *inherit*

list-style-image Sets an image to be the list item marker
Values: *uri* | *'none'* | *'inherit'*

list-style-position Specifies the position of the marker w/ respect to the principle block.
Values: *'inside'* | *'outside'* | *'inherit'*

list-style: *list-style-type* || *list-style-position* || *list-style-image* | *'inherit'*

Transformations:

transform Applies 2D or 3D transformations to an element.
Values: Among others:
translate(x,y) Defines a 2D translation.
translate3d(x,y,z) Defines a 3D translation
scale(x,y) Defines a 2D scale transformation
scale3d(x,y,z) Defines a 3D scale transformation
rotate(angle) Defines a 2D rotation, the angle is specified in the parameter
rotate3d(x,y,z,angle) Defines a 3D rotation

transition-property Defines properties that a transition effect are applied to when those properties change.
Values: *'none'* | *'all'* | *comma-separated-list-of-properties* | *'initial'*
| *'inherit'*

transition-duration How long in seconds (**s**) or milliseconds (**ms**) a transition takes.
Values: *time* | *'initial'* | *'inherit'*
0s = no transition.

transition-timing-function Specifies the transition algorithm
Values: *ease*, *linear*, *ease-in*, *ease-out*, *ease-in-out*, *cubic-bezier(n,n,n,n)*

transition-delay Delay how long before the transition begins.
Values: *time* | *'initial'* | *'inherit'*

transition Shorthand
Values: *property duration timing-function delay* | *'initial'* | *'inherit'*