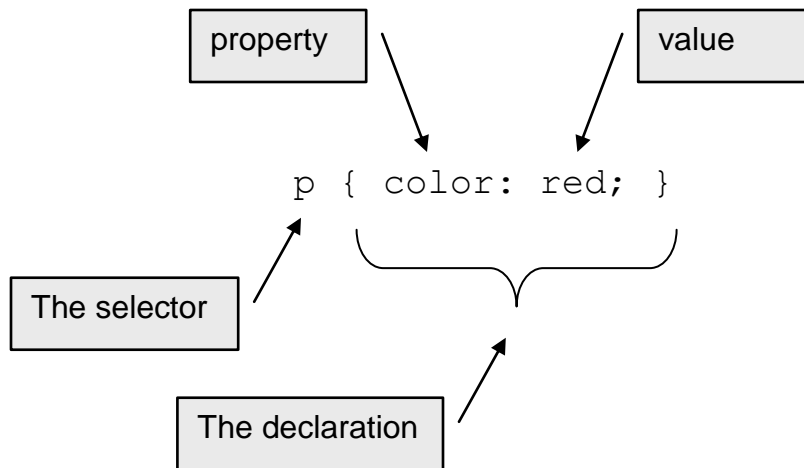# CSS Properties

Anatomy of a CSS rule

A CSS rule is made up to two parts: the `selector`, which states which tag (element) the rule selects, and the `declaration`, which states what happens when the rule is applied.

```
          property                    value

          p { color: red; }

The selector

         The declaration
```

In the tables the following conventions are used:

- ♦ Rows shown in blue are shorthand rules that combine several properties into a single declaration.

- ♦ Values shown in blue are the actual values that can appear as property values for the specified property.

- ♦ Values shown in italics and black are representative of a type of value that can be specified for the specified property.

background

Property	Description	Values
background	Shorthand property for setting all background properties in one declaration.	*background-color* *background-image* *background-repeat* *background-attachment* *background-position*
background-attachment	Sets whether a background image is fixed or scrolls with the rest of the page.	scroll fixed
background-color	Sets the background color of an element.	*color-rgb* *color-hex* *color-name* transparent
background-image	Sets an image as the background	*url* none
background-position	Sets the starting position of a background image	top left top center top right center left center center center right bottom left bottom center bottom right *x% y%* *xpos ypos*
background-repeat	Sets if/how a background image will be repeated	repeat repeat-x repeat-y no-repeat

border

Property	Description	Values
border	Shorthand property for setting all the properties for the four borders in one declaration	*border-width* *border-style* *border-color*
border-bottom	A shorthand property for setting all the properties for the bottom border in one declaration	*border-bottom-width* *border-style* *border-color*
border-bottom-color	Sets the color of the bottom border	*border-color*
border-bottom-style	Sets the style of the bottom border	*border-style*
border-bottom-width	Sets the width of the bottom border	thin medium thick *length*
border-color	Sets the color of the four borders, can have between 1 and 4 colors specified	*color*
border-left	A shorthand property for setting all the properties of the left border in one declaration.	border-left-width border-left-style border-left-color
border-left-color	Sets the color of the left border	*border-color*
border-left-style	Sets the style of the left border	*border-style*
border-left-width	Sets the width of the left border	thin medium thick *length*
border-right	A shorthand property for setting all the properties of the right border in one declaration.	border-right-width border-right-style border-right-color
border-right-color	Sets the color of the right border	*border-color*
border-right-style	Sets the style of the right border	*border-style*
border-right-width	Sets the width of the right border	thin medium thick *length*

border (continued)

Property	Description	Values

`border-style`	A shorthand property for setting the style for all four borders in one declaration. Can have from 1 to 4 styles.	`none`
		`hidden`
		`dotted`
		`dashed`
		`solid`
		`double`
		`groove`
		`ridge`
		`inset`
		`outset`

`border-top`	A shorthand property for setting all the properties of the top border in one declaration.	`border-top-width`
		`border-top-style`
		`border-top-color`

`border-top-color`	Sets the color of the top border	*border-color*
`border-top-style`	Sets the style of the top border	*border-style*

`border-top-width`	Sets the width of the top border	`thin`
		`medium`
		`thick`
		length

`border-width`	A shorthand property for setting the width of all four borders in one declaration. Can have from 1 to 4 values.	`thin`
		`medium`
		`thick`
		length

classification

Property	Description	Values
clear	Sets the sides of an element where other floating elements are not allowed	left right both none
cursor	Specifies the type of cursor to be displayed.	*url* auto crosshair default pointer move e-resize ne-resize nw-resize n-resize se-resize sw-resize s-resize w-resize text wait help
display	Sets how/if an element is displayed	none 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
float	Sets where an image or text will appear in another element.	left right none

classification (continued)

Property	Description	Values
position	Places an element in a static, relative, absolute, or fixed position.	static relative absolute fixed
visibility	Sets if an element should be visible or invisible	visible hidden collapse

dimension

Property	Description	Values
height	Sets the height of an element	auto *length* %
line-height	Sets the distance between lines.	normal *number* *length* %
max-height	Sets the maximum height of an element	none *length* %
max-width	Sets the maximum width of an element.	none *length* %
min-height	Sets the minimum height of an element.	*length* %
min-width	Sets the minimum width of an element.	*length* %
width	Sets the width of an element.	auto *length* %

font

Property	Description	Values
font	A shorthand property for setting all of the properties for a font in one declaration	*font-style* *font-variant* *font-weight* *font-size/line-height* *font-family* caption icon menu message-box small-caption status-bar
font-family	A prioritized list of font family names and/or generic family names for an element	*family-name* *generic-family*
font-size	Sets the size of a font.	xx-small x-small small medium large x-large xx-large smaller larger *length* *%*
font-size-adjust	Specifies an aspect value for an element that will preserve the x-height of the first-choice font.	none *number*
font-stretch	Condenses or expands the current font-family	normal wider narrower ultra-condensed extra-condensed condensed semi-condensed semi-expanded expanded extra-expanded ultra-expanded

font (continued)

Property	Description	Values
font-style	Sets the style of the font	normal italic oblique
font-variant	Displays text in a small-caps font or a normal font.	normal small-caps
font-weight	Sets the weight of a font.	normal bold bolder lighter 100 200 300 400 500 600 700 800 900

generated content

Property	Description	Values
content	Generates content in a document. Used with the :before and :after pseudo-elements.	*string* *url* counter(name) counter(name, list-style-type) counters(name,string) counter(name,string,list-style-type) attr(X) open-quote close-quote no-open-quote no-close-quote
counter-increment	Sets how much the counter increments on each occurrence of a selector.	none *identifier-number*
counter-reset	Sets the value the counter is set to on each occurrence of a selector	none *identifier-number*
quotes	Sets the type of quotation marks	none *string string*

list and marker

Property	Description	Values
list	A shorthand property for setting all of the properties for a list in one declaration	*list-style-type* *list-style-position* *list-style-image*
list-style-image	Sets an image as the list-item marker	none *url*
list-style-position	Sets where the list-item marker is placed in the list.	inside outside
list-style-type	Sets the type of the list-item marker.	none disc circle square decimal decimal-leading-zero lower-roman upper-roman lower-alpha upper-alpha lower-greek upper-greek lower-latin upper-latin Hebrew Armenian Georgian cjk-ideographic hiragana katakana hiragana-iroha katakana-iroha
marker-offset	Sets the offset of the list marker.	auto *length*

margin

Property	Description	Values
margin	A shorthand property for setting all of the properties for a margin in one declaration	*margin-top* *margin-right* *margin-bottom* *margin-left*
margin-bottom	Sets the bottom margin of an element.	auto *length* %
margin-left	Sets the left margin of an element.	auto *length* %
margin-right	Sets the right margin of an element.	auto *length* %
margin-top	Sets the top margin of an element.	auto *length* %

outlines

Property	Description	Values
outline	A shorthand property for setting all of the outline properties in one declaration	*outline-color* *outline-style* *outline-width*
outline-color	Sets the color of the outline around an element.	*color* invert
outline-style	Sets the style of the outline around an element.	none dotted dashed solid double groove ridge inset outset
outline-width	Sets the width of the outline around an element.	thin medium thick *length* %

padding

Property	Description	Values
`padding`	A shorthand property for setting all of the padding properties in one declaration	*padding-top* *padding-right* *padding-bottom* *padding-left*
`padding-bottom`	Sets the bottom padding of an element.	*length* *%*
`padding-left`	Sets the left padding of an element.	*length* *%*
`padding-right`	Sets the right padding of an element.	*length* *%*
`padding-top`	Sets the top padding of an element.	*length* *%*

positioning

Property	Description	Values
bottom	Sets how far the bottom edge of an element is above/below the bottom edge of the parent element.	auto % *length*
clip	Sets the shape of an element. The element is clipped into this shape, and displayed.	*shape* auto
left	Sets how far the left edge of an element is to the right/left of the left edge of the parent element.	auto % *length*
overflow	Sets what happens if the content of an element overflows its area.	visible hidden scroll auto
position	Places an element in a static, relative, absolute, or fixed position	static relative absolute fixed
right	Sets how far the right edge of an element is to the left/right of the right edge of the parent element.	auto % *length*
top	Sets how far the top edge of an element is above/below the top edge of the parent element.	auto % *length*
vertical-align	Sets the vertical alignment of an element.	baseline sub super top text-top middle bottom text-bottom *length* %
z-index	Sets the stack order of an element.	auto *number*

table

Property	Description	Values
border-collapse	Sets whether the table borders are collapsed into a single border or detached as in standard HTML.	collapse separate
border-spacing	Sets the distance that separates cell borders (only applies to the "separated borders" model).	*length length*
caption-side	Sets the position of the table caption	top bottom left right
empty-cells	Sets whether or not to show empty cells in a table (only applies to the "separated borders" model).	show hide
table-layout	Sets the algorithm used to display the table cells, rows, and columns.	auto fixed

text

Property	Description	Values
`color`	Sets the color of a text.	*color*
`direction`	Sets the text direction	ltr rtl
`line-height`	Sets the distance between the lines of text.	normal *number* *length* %
`letter-spacing`	Increases or decreases the space between characters.	normal *length*
`text-align`	Aligns the text in an element.	left right center justify
`text-decoration`	Adds decoration to text.	none underline overline line-through blink
`text-indent`	Indents the first line of text in an element.	*length* %
`text-shadow`	Sets text shadowing.	none *color* *length*
`text-transform`	Controls the letters in an element.	none capitalize uppercase lowercase
`unicode-bidi`		normal embed bidi-override
`white-space`	Sets how white space inside an element is handled.	normal pre nowrap
`word-spacing`	Increase or decrease the space between words.	normal *length*

pseudo-classes

Pseudo-class	Description
:active	Adds special style to an activated element.
:focus	Adds special style to an element while the element has focus.
:hover	Adds special style to an element when you mouse over it.
:link	Adds special style to an unvisited link.
:visited	Adds special style to a visited link.
:first-child	Adds special style to an element that is the first child of some other element.
:lang	Allows the author to specify a language to be used in a specified element.

pseudo-elements

Pseudo-element	Description
:first-letter	Adds special style to the first letter of a text.
:first-line	Adds special style to the first line of a text.
:before	Inserts some content before an element.
:after	Inserts some content after an element.

media types

Media Type	Description
all	Used for all media type devices.
aural	Used for speech and sound synthesizers.
braille	Used for Braille tactile feedback devices,
embossed	Used for paged Braille printers.
handheld	Used for small or handheld devices.
print	Used for printers.
projection	Used for projected presentations, like slides.
screen	Used for computer screens.
tty	Used for media using a fixed-pitch character grid like teletypes and terminals.
tv	Used for television-type devices.