

by Manon Gerrd (manongerard) via cheatography.com/195339/cs/40966/

#### **Syntax**

A CSS rule consists of a selector and a declaration block.

```
selector {
   property1: value1;
    property2: value2;
```

No space between the property value and its unit

Simple selectors	
name { }	<name></name>
#id { }	<element id="id"></element>
.class { }	<element class="class"></element>
name.class { }	<name class="class"></name>
* { }	all elements
selector1, selector2,, selectorX {}	Grouping selector

#### Combinator selectors

Based on a specific relationship between them

Descendant selector: all y elements inside x elements *x y* { ... } x > y { Child selector: all y elements where the parent is a x ... }

x + y { Adjacent sibling selector: the first y element placed immediately after x elements ... }

 $x \sim y$  { General sibling selector: all y elements that are preceded bv a x element ... }

#### Pseudo-elements selectors

Part of an element

Syntax select or: :ps eud o-e lement { property: value;

selector::after Insert content after every selector element Onlyapply to block-level elements selector::before Insert content before every selector element selector::first-letter Selects the first letter of every selector element selector::first-line Selects the first line of every selector element

Selects the markers of list items

selector::marker

By Manon Gerrd (manongerard)

Not published yet. Last updated 30th October, 2023. Page 1 of 8.

Pseudo-elements selectors (cont)

selector::sele-Selects the portion of an element that is selected

ction by a user

Only some limited types of properties apply to each of the pseudo-elements

Attribute selectors

Based on an All elements with a target attribute attribute or attribute value All elements with an attribute attribute [attribute] [attribute = All elements with attribute = value "value" [attribute ~= All elements with an attribute attribute that "value"] contains a space-separated list of words, one of which is value [attribute |= All elements with an attribute attribute value "value"] starting with value

selector[attribute All selector elements with an attribute attribute

^= "*value*"] value starting with value selector[attribute All selector elements with an attribute attribute \$= "value"] value ending with value

selector[attribute All selector elements with an attribute attribute = "value\*"] value containing the substring value

#### Colors and background

color color | initial|inherit

bg-color bg-image position/bg-size bg-repeat bgbackground

origin bg-clip bg-attachment | initial | inherit

color | transparent [def] | initial | inherit backgroun-

d-color

Sponsored by Readable.com Measure your website readability! https://readable.com



Colors and ba	ckground (cont)
background- image	url   none [def]   initial   inherit
background- position	value [def: 0% 0%]   initial   inherit
background- position-y background- position-x	like background-position, but def: 0%
background- size	auto [def]   <i>length</i>   <i>percentage</i>   cover   contain   initial   inherit
background- repeat	repeat [def]   repeat-x   repeat-y   no-repeat   initial   inherit
background- clip	border-box [def]   padding-box   content-box   initial   inherit
background- border-box   padding-box [def]   origin inherit	border-box   padding-box [def]   content-box   initial   inherit
background- attachment	scroll [def]   fixed   local   initial   inherit
background- blend-mode	normal [def]   multiply   screen   overlay   darken   lighten   color-dodge   saturation   color   luminosity
They are different ways to tell the colors: name   hex   rgb(red, gblue)   rgba(red, green, blue, alpha)   hsl(hue, saturation, lightness, alpha)   hwb	

Border	
border	border-width border-style [req] border-color   initial   inherit
border-top/r- ight/bott- om/left	border-left/right/top-width [req] border-left/right/top- style [req] border-left/right/top-color   initial   inherit

Border (cont)	
` '	
border-bl- ock/inline	border-block/inline-width border-block/inline-style [req] border-block/inline-color   initial   inherit
border-bl- ock/inline-e- nd/start	border-block/inline-end/start-width border-block/in- line-end/start-style border-block/inline-end/start color   initial   inherit
width	[def: medium]
border-width	1 to 4 values: medium   thin   thick   <i>length</i>   initial   inherit  To take effect, the <i>border-style</i> must be set
border-top/r- ight/bottom/- left-width	1 value: like border-width
border-bl- ock/inline- width	1 to 2 values: like border-width  To take effect, the <i>border-block/inline-style</i> must be set
border-bl- ock/inline-e- nd/start-width	1 value: like border-width  To take effect, the border-block/inline-end/start style must be set
style	[def: none]
border-style	1 to 4 values: none   hidden   dotted   dashed   solid   double   groove   ridge   inset   outset   initial   inherit
border-top/r- ight/bottom/- left-style	1 value: like border-style
border-bl- ock/inline- style	1 to 2 values: like border-style
border-bl- ock/inline-e- nd/start-style	1 value: like border-style
color	[def: text color]



By **Manon Gerrd** (manongerard)

Not published yet. Last updated 30th October, 2023. Page 2 of 8. Sponsored by **Readable.com**Measure your website readability!
https://readable.com



Border (cont)	
border-color	1 to 4 values: <i>colors</i>   transparent   initial   inherit To take effect, the <i>border-style</i> must be set
border-top/r- ight/bottom/- left-color	1 value: like border-color  To take effect, the border-style or border-left/right/-top-style must be set
border-bl- ock/inline- color	1 to 2 values: like border-color  To take effect, the <i>border-block/inline-style</i> must be set
border-bl- ock/inline-e- nd/start-color	1 value: like border-color  To take effect, the <i>border-block/inline-end/start-style</i> must be set
radius	[def: 0]
border-radius	1 to 4 values: length   %   initial   inherit
border-top/r- ight/bottom/- left-radius	1 value: like border-radius
border-end/s- tart-end/sta- rt-radius	1 to 2 values: like border-radius
image	
border-image	border-image-source border-image-slice border-im- age-width border-image-outset border-image-repeat   initial   inherit
border-im- age-slice	number   % [def: 100%]   fill   initial   inherit
border-im- age-source	none [def]   image   initial   inherit
border-im- age-width	number [def: 1]   length   %   auto   initial   inherit
border-im-	length [def: 0]   number   initial   inherit

Border (cont)	
border-image- repeat	stretch [def]   repeat   round   space   initial   inherit
table	
border-collapse	separate [def]   collapse   initial   inherit
border-spacing	1 or 2 values: <i>length</i>   initial   inherit Only works when border-collapse is separate

Position	
position	static [def]   absolute   fixed   relative   sticky   initial   inherit
bottom top right left	auto [def]   length   %   initial   inherit  Negatives values are allowed  different depending on the position property
clip- path	clip-source   basic-shape   margin-box   border-box   padding-box   content-box   fill-box   stroke-box   view-box   none   initial   inherit
z-index	auto [def]   number   initial   inherit = stack order of an element

	Display	
	display	value [def: block or inline]
visibility visible [def]   hidden   collapse   initial   inhe		visible [def]   hidden   collapse   initial   inherit

Hiding an element can be done by setting the display property to none. The element will be hidden, and the page will be displayed as if the element is not there.

visibility:hidden; also hides an element. However, the element will still take up the same space as before. The element will be hidden, but still affect the layout:



age-outset

By **Manon Gerrd** (manongerard)

Not published yet. Last updated 30th October, 2023. Page 3 of 8. Sponsored by Readable.com

Measure your website readability!

https://readable.com



by Manon Gerrd (manongerard) via cheatography.com/195339/cs/40966/

Float	
float	none [def]   left   right   initial   inherit
clear	none [def]   left   right   both   initial   inherit
box-sizing	content-box [def]   border-box   initial   inherit

List	
list-style	list-style-type list-style-position list-style-image   initial   inherit
list-style-type	value [def: disc]
list-style-p- osition	inside   outside [def]   initial   inherit
list-style- image	none [def]   url   initial   inherit

Table	
caption-side	top   bottom   initial   inherit
empty-cells	show   hide   initial   inherit
table-layout	auto [def]   fixed   initial   inherit

Units	
0	unit can be omitted
Absolute Lengths	not recommended
cm, mm, in, px, pt, pc	
Relative Lengths	

## em, ex, ch, rem, vw, vh, vmin, vmax, %

A whitespace cannot appear between the number and the unit

Column	
columns	auto [def]   column-width column-count   initial   inherit
column- count	number   auto [def]   initial   inherit
column- width	auto [def]   <i>length</i>   initial   inherit
column-fill	balance [def]   auto   initial   inherit
column-span	none [def]   all   initial   inherit
column-rule	column-rule-width column-rule-style column-rule-color   initial   inherit
column-ru- le-width	medium [def]   thin   thick   length   initial   inherit

Column (cont)	
column- rule-style	none [def]   hidden   dotted   dashed   solid   double   groove   ridge   inset   outset   initial   inherit
column- rule color	color [def: current color]   initial   inherit
column- gap	length   normal   initial   inherit

Transition	
transition	transition-property transition-duration transition-timing function transition-delay   initial   inherit
transitio- n-p- roperty	none   all [def]   property   initial   inherit
transitio- n-d- uration	time [def: 0s]   initial   inherit
transitio- n-timi- ng-fun- ction	linear   ease [def]   ease-in   ease-out   ease-in-out   step-start   step-end   steps(int,start   end)   cubic-bezier(n,n,n,n)   initial   inherit
transitio- n-delay	time [def: 0s]   initial   inherit

Counter	
content	normal [def]   none   counter   attr   string   open-quote   close-quote   no-open-quote   no-close-quote   url   initial   inherit  Used with ::before and ::after
counte- r-incr- ement	none [def]   id   initial   inherit
counte- r-reset	none [def]  id number   initial   inherit
counter(countername, counterstyle)	



By **Manon Gerrd** (manongerard)

Not published yet. Last updated 30th October, 2023. Page 4 of 8. Sponsored by **Readable.com**Measure your website readability!
https://readable.com



Icons
Font Awesome Icons
Bootstrap Icons
Google Icons

Bootstrap icons
Google Icons
Specificity Hierarchy
1. Inline styles
2. IDs
3. Classes, pseudo-classes, attribute selectors
4. Elements and pseudo-elements
!important can overide this hierarchy

Insert CSS	
external	inside <head>: <li>k rel="stylesheet" href="mystyle.css"&gt;</li></head>
internal	inside <head>: inside <style></td></tr><tr><td>inline</td><td>inside and element: using the style attribute</td></tr></tbody></table></style></head>

Pseudo-class selectors		
Based on a certain state		
Syntax	select or: pse udo -class {	
	<pre>property: value;</pre>	
	}	
selector.active	The active link	
selector.checked	All checked selector elements	
selector.disabled	All disabled <i>selector</i> elements	
selector.empty	All selector elements that has no children	
selector.enabled	All enabled <i>selector</i> elements	
selector.first-	All selector elements that is the first child of its	
child	parent	
selector.first-of-	All selector elements that is the first selector	
type	element of its parent	
selector.focus	The selector element that has focus	
selector.hover	Links on mouse over	
selector:in-range	selector elements with a value within a specified	
	range	
selector:invalid	All selector elements with an invalid value	

Pseudo-class selectors (	cont)
selector.lang(language)	All <i>selector</i> elements with a lang attribute value starting with <i>language</i>
selector.last-child	All <i>selector</i> elements that is the last child of its parent
selector.last-of-type	All <i>selector</i> elements that is the last <i>selector</i> element of its parent
selector.link	All unvisited links
selector.not(selector)	All elements that is not a <i>selector</i> element
selector.nth-child(n)	All <i>selector</i> elements that is the second child of its parent
selector.nth-last-child(n)	All <i>selector</i> elements that is the second child of its parent, counting from the last child
selector.nth-last-of-type(n)	All <i>selector</i> elements that is the second <i>selector</i> element of its parent, counting from the last child
selector.nth-of-type(n)	All <i>selector</i> elements that is the <i>n</i> th <i>selector</i> element of its parent
selector.only-of-type	All <i>selector</i> elements that is the only <i>selector</i> element of its parent
selector.only-child	All <i>selector</i> elements that is the only child of its parent
selector.optional	selector elements with no "required" attribute
selector.out-of-range	selector elements with a value outside a specified range
selector.read-only	selector elements with a "readonly" attribute specified
selector.read-write	selector elements with no "readonly" attribute
selector.required	selector elements with a "required" attribute specified



By **Manon Gerrd** (manongerard)

Not published yet. Last updated 30th October, 2023. Page 5 of 8. Sponsored by **Readable.com**Measure your website readability!
https://readable.com



by Manon Gerrd (manongerard) via cheatography.com/195339/cs/40966/

# Pseudo-class selectors (cont) selector.root The document's root element selector.target The current active #news element (clicked on a URL containing that anchor name) selector.valid All selector elements with a valid value selector.visited All visited links

Margin	
margin	1 to 4 values: <i>length</i> [def: 0]   %   auto [horizontally center]   initial   inherit;
margin-bottom/l- eft/right/top	1 value: like margin
margin-bl- ock/inline	1 to 2 values: like margin, but auto by default
margin-block/in- line-end/start	1 value: like margin-block/inline

#### Negative values are allowed

Margin Collapse: top and bottom (not left and right!) margins of elements are sometimes collapsed into a single margin that is equal to the largest of the two margins.

Padding	
padding	1 to 4 values: <i>length</i> [def:0]   %   initial   inherit
padding-top/right/bot- tom/left	1 value: like padding
padding-block/inline	1 to 2 values: like padding, but def: auto
padding-block/inline end/start	1 value: like padding-block/inline

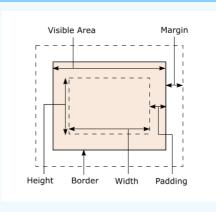
### Padding (cont)

box- content-box [def, border and padding not included]| bordersizing box [content, padding and border included] | initial | inherit

Padding and Element Width: if an element has a specified width, the padding added to that element will be added to the total width of the element.

To keep the given width, no matter the amount of padding, you can use the box-sizing property. This causes the element to maintain its actual width; if you increase the padding, the available content space will decrease.

#### Box model



Height and width	
height/width	length   %   auto [def]   initial   inherit min/max-height/width override the height/width property
max-heigh- t/width	length   %   none [def]   initial   inherit Improves the browser's handling of small windows
min-heigh- t/width	length   %   initial   inherit

The height and width properties do not include padding, borders, or margins.



By **Manon Gerrd** (manongerard)

Not published yet.
Last updated 30th October, 2023.
Page 6 of 8.

Sponsored by Readable.com

Measure your website readability!

https://readable.com



Text		
alignment and direction		
text-align	left [def: if direction is ltr]   right [def: if direction is rtl]   center   justify   initial   inherit	
text-align- last	auto [def]   left   right   center   justify   start   end   initial   inherit	
direction	ltr [def]   rtl   initial   inherit	
unicode- bidi	normal [def]   embed   bidi-override   initial   inherit	
vertical align	baseline [def]   length   sub   super   top   text-top   middle   bottom   text-bottom   initial   inherit	
decoration		
text-deco- ration	text-decoration-line [req] text-decoration-color text-decoration-style text-decoration-thickness   initial   inherit	
text-deco- ration-line	none [def]   underline   overline   line-through   initial   inherit  Can combine more than 1 value	
text-deco- ration-color	color [def: current color]   initial   inherit	
text-deco- ration-style	solid [def]   double   dotted   dashed   wavy   initial   inherit	
text-deco- ration-th- ickness	auto [def]   from-font   length/percentage   initial   inherit	
transformation		
text-tran- sform	none [def]   capitalize   uppercase   lowercase   initial   inherit	

Text (cont)	
text-i- ndent	length [def: 0]   %   initial   inherit Negative values are allowed
letter-sp- acing	normal [def]   <i>length</i>   initial   inherit Negative value also allowed
line-h- eight	normal [def]   number   length   %   initial   inherit
word-s- pacing	normal [def]   length   initial   inherit
white space	normal [def]   nowrap   pre   pre-line   pre-wrap   initial   inherit
shadow	
text-s- hadow	h-shadow [req] v-shadow [req] blur-radius [def: 0] color   none [def]   initial   inherit
text-j- ustify	auto [def]   inter-word   inter-character   none   initial   inherit
text-orie- ntation	mixed [def]   upright   sideways   sideways-right   use-gl- yph-orientation   initial   inherit Works only when writing-mode is set to vertical
text-o- verflow	clip [def]   ellipsis   <i>string</i>   initial   inherit requires white-space: nowrap; overflow: hidden
<pre>text-decoration: none; is used to remove the underline from links: a { text-d eco ration: none; }</pre>	

#### Font

font font-style font-variant font-weight font-size/line-height [req] font-family [req] | caption | icon | menu | message-box | small-caption | status-bar | initial | inherit



text spacing

By **Manon Gerrd** (manongerard)

Not published yet. Last updated 30th October, 2023. Page 7 of 8. Sponsored by **Readable.com**Measure your website readability!
https://readable.com



by Manon Gerrd (manongerard) via cheatography.com/195339/cs/40966/

Math functions

Font (cont)	
font- style	normal [def]   italic   oblique   initial   inherit
font-v- ariant	normal [def]   small-caps   initial   inherit
font- weight	normal [def]   bold   bolder   lighter   number   initial   inherit
font- size	medium [def]   xx-small   x-small   small   large   x-large   xx-large   smaller   larger   length   initial   inherit
font-f- amily	family-name   generic-family   initial   inherit Start with the font you want, [then add backup fonts,] and always end with a generic family. Separate each value with a comma.
font-f- eat- ure- se- ttings	normal [def]   feature-value [1   0   on   off]
font-k- erning	auto   normal   none
font-s- ize- adjust	number   none   initial   inherit
font-s- tretch	ultra-condensed   extra-condensed   condensed   semi-c- ondensed   normal [def]   semi-expanded   expanded   extra-expanded   ultra-expanded   initial   inherit
font-v- ari- ant- caps	normal [def]   small-caps all-small-caps   petite-caps   all- petite-caps   unicase   titling-caps   initial   inherit   unset
@font- face	font-family [req] src [req] font-stretch font-style font-weight unicode-range

	3
Outline	
outline	outline-width outline-style [def: invert] outline-color   initial   inherit
outline-	medium [def]   thin   thick   length   initial   inherit
width	Must Always declare outline-style before

Outline (cont)		
outlin- e-style	none [def]   hidden   dotted   dashed   solid   double   groove   ridge   inset   outset   initial   inherit	
outlin- e- color	color [def: <i>current color</i> ]   initial   inherit Must Always declare outline-style before	
outlin- e-o- ffset	length [def: 0]   initial   inherit	

calc(expression)	
max(value1, value2,, valueX)	
min(value1, value2,, valueX)	

Overflow	
overflow	visible [def]   hidden   clip   scroll   auto   initial   inherit
overflow-wrap	normal [def]   anywhere   break-word   initial   inherit
overflow-x/y	visible [def]   hidden   scroll   auto   initial   inherit
overflow anchor	auto [def]   none   initial   inherit

Only works for block elements with a specified height

Dropdown are useful for addition info to help the users

Other	
/* */	Comment
opacity	number [def: 1]   initial   inherit
Navigation bar	https://www.w3schools.com/css/css_navbar.asp
Dropdown	https://www.w3schools.com/css/css_dropdowns.asp



By **Manon Gerrd** (manongerard)

Not published yet. Last updated 30th October, 2023. Page 8 of 8. Sponsored by **Readable.com**Measure your website readability!
https://readable.com