

Cheat Sheet

# Cascading Style Sheets (CSS 3)

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## BACKGROUND

background	<i>background-image</i> <i>background-position</i> <i>background-size</i> <i>background-repeat</i> <i>background-attachment</i> <i>background-origin</i> <i>background-clip</i> <i>background-color</i>
background-attachment	scroll   fixed
background-break	bounding-box   each-box   continuous
background-clip	<i>length</i> % border-box   padding-box   content-box   no-clip
background-color	<i>color</i> transparent
background-image	<i>url</i> none
background-origin	border-box   padding-box   content-box
background-position	top left   top center   top right   center left   center center   center right   bottom left   bottom center   bottom right  <i>x-% y-%</i> <i>x-pos y-pos</i>
background-repeat	repeat   repeat-x   repeat-y   no-repeat
background-size	<i>length</i> % auto   cover   contain

## BORDER

border	<i>border-width</i> <i>border-style</i> <i>border-color</i>
border-break	<i>border-width</i> <i>border-style</i> <i>border-color</i>
border-bottom	<i>border-bottom-width</i> <i>border-style</i> <i>border-color</i>
border-bottom-color	<i>border-color</i>
border-bottom-style	<i>border-style</i>
border-bottom-width	thin   medium   thick <i>length</i>
border-collapse	collapse   separate
border-color	<i>color</i>
border-image	<i>image</i> [ <i>number / %</i> <i>border-width</i>  stretch   repeat   round ] none
border-left	<i>border-left-width</i> <i>border-style</i> <i>border-color</i>
border-left-color	<i>border-color</i>
border-left-style	<i>border-style</i>
border-left-width	thin   medium   thick <i>length</i>
border-right	<i>border-right-width</i> <i>border-style</i> <i>border-color</i>
border-right-color	<i>border-color</i>
border-right-style	<i>border-style</i>
border-right-width	thin   medium   thick <i>length</i>

## TABLE

border-collapse	collapse   separate
border-spacing	<i>length length</i>
caption-side	top   bottom   left   right
empty-cells	show   hide
table-layout	table-layout auto   fixed

## BORDER

border-top	<i>border-top-width</i> <i>border-style</i> <i>border-color</i>
border-top-color	<i>border-color</i>
border-top-style	<i>border-style</i>
border-top-width	thin   medium   thick <i>length</i>
border-width	thin   medium   thick <i>length</i>
border-radius	<i>border-top-right-radius</i> <i>border-bottom-right-radius</i> <i>border-bottom-left-radius</i> <i>border-top-left-radius</i> <i>length</i>
border-top-right-radius	<i>length</i>
border-bottom-right-radius	<i>length</i>
border-bottom-left-radius	<i>length</i>
border-top-left-radius	<i>length, length,</i> <i>length, length</i>    <i>&lt;color&gt;</i> inset    [ ]
border-style	none   hidden   dotted   dashed   solid   double   groove   ridge   inset   outset

## TRANSITIONS

transition	transition-property transition-duration transition-timing-function transition-delay
transition-delay	time
transition-duration	time
transition-timing-function	none   all
transition-property	ease   linear   ease-in   ease-out   ease-in-out   cubic-Bezier (number, number, number, number)

## BOX MODEL

clear	left   right   both   none
display	none   inline   block   inlineblock   list-item   run-in   compact   table   inlinetable   table-row-group   table-header-group   tablefooter- group   table-row   table-column-group   tablecolumnn   table-cell   tablecaption   ruby   ruby-base   ruby-text   ruby-base-group   ruby-text-group
float	left   right   none
height	auto <i>length</i> %
max-height	none <i>length</i> %
max-width	none <i>length</i> %
min-height	none   inherit <i>length</i> %
min-width	none   inherit <i>length</i> %
width	auto % <i>length</i>
margin	<i>margin margin-top</i> <i>margin-right</i> <i>margin-bottom</i> <i>margin-left</i>
margin-bottom	auto <i>length</i> %
margin-left	auto <i>length</i> %
margin-right	auto <i>length</i> %

## BOX MODEL

margin-top	auto <i>length</i> %
padding	<i>padding padding-top padding-right padding-bottom padding-left</i>
padding-bottom	<i>length</i> %
padding-left	<i>length</i> %
padding-right	<i>length</i> %
padding-top	<i>length</i> %
marquee-direction	forward   reverse
marquee-loop	infinite <i>number</i>
marquee-play-count	infinite <i>integer</i>
marquee-speed	slow   normal   fast
marquee-style	scroll   slide   alternate
overflow	visible   hidden   scroll   auto   no-display   nocontent  <i>overflow-x</i> <i>overflow-y</i>
overflow-style	auto   marquee-line   marquee-block
overflow-x	visible   hidden   scroll   auto   no-display   nocontent
overflow-y	visible   hidden   scroll   auto   no-display   nocontent
rotation	<i>angle</i>
rotation-point	<i>position (paired value offset)</i>
visibility	visibility visible   hidden   collapse

## FONT

font	<i>font-style font-variant font-weight font-size/line-height font-family</i> caption   icon   menu   message-box   smallcaption   status-bar
font-family	<i>family-name generic-family</i> inherit
font-size	xx-small   x-small   small   medium   large   x-large   xx-large   smaller   larger   inherit  <i>length</i> %
font-size-adjust	none   inherit <i>number</i>
font-stretch	normal   wider   narrower   ultra-condensed   extracondensed   condensed   semi-condensed   semiexpanded   expanded   extra-expanded   ultraexpanded   inherit
font-style	normal   italic   oblique   inherit
font-variant	normal   small-caps   inherit
font-weight	normal   bold   bolder   lighter   100   200   300   400   500   600   700   800   900   inherit

## COLOR

color	inherit <i>color</i>
opacity	inherit <i>number</i>

## TEXT

direction	ltr   rtl   inherit
hanging-punctuation	none   [ start   end   endedge ]
letter-spacing	normal <i>length</i> %
punctuation-trim	none   [start   end   adjacent]
text-align	start   end   left   right   center   justify
text-align-last	start   end   left   right   center   justify
text-decoration	none   underline   overline   line-through   blink none   [ [ accent   dot   circle   disc ] [ before   after ]? ]
text-emphasis	
text-indent	<i>length</i> %
text-justify	auto   inter-word   interideograph   inter-cluster   distribute   kashida   tibetan
text-outline	none <i>color</i> <i>length</i>
text-shadow	none <i>color</i> <i>length</i>
text-transform	none   capitalize   uppercase   lowercase
text-wrap	normal   unrestricted   none   suppress
unicode-bidi	normal   embed   bidioverride
white-space	normal   pre   nowrap   prewrap   pre-line
white-space-collapse	preserve   collapse   preserve-breaks   discard
word-break	normal   keep-all   loose   break-strict   break-all
word-spacing	normal <i>length</i> %
word-wrap	normal   break-word

## COLUMN

column-count	auto <i>number</i>
column-fill	auto   balance
column-gap	normal <i>length</i>
column-rule	<i>column-rule-width</i> <i>column-rule-style</i> <i>column-rule-color</i>
column-rule-color	<i>color border-style</i>
column-rule-style	<i>style</i>
column-rule-width	thin   medium   thick <i>length</i>
columns	<i>column-width</i> <i>column-count</i>
column-span	1   all
column-width	auto <i>length</i>

## ANIMATIONS

animation	animation-name animation-duration animation-timing-function animation-delay animation-iteration-count animation-direction
animation-delay	time
animation-direction	normal   alternate
animation-duration	time
animation-iteration-count	inherit number
animation-name	running   paused
animation-play-state	ease   linear   ease-in   ease-out   ease-in-out   cubic-Bezier (number, number, number, number)
animation-timing-function	

## SPEECH

cue	<i>cue-before</i> <i>cue-after</i>
cue-before	[ silent   x-soft   soft   <i>uri</i> medium   loud   x-loud ]   none   inherit ] <i>number</i> %
cue-after	<i>uri</i> [ silent   x-soft   soft   medium   loud   x-loud ]   none   inherit ] <i>number</i> %
mark	<i>mark-before</i> <i>mark-after</i>
mark-before	<i>string</i>
mark-after	<i>string</i>
pause	<i>pause-before</i> <i>pause-after</i>
pause-before	none   x-weak   weak   medium   strong   x-strong   inherit <i>time</i>
pause-after	none   x-weak   weak   medium   strong   x-strong   inherit <i>time</i>
phonemes string	<i>string</i>
rest	rest-before rest-after
rest-before	none   x-weak   weak   medium   strong   x-strong   inherit <i>time</i>
rest-after	none   x-weak   weak   medium   strong   x-strong   inherit <i>time</i>
speak	none   normal   spell-out   digits   literal-punctuation   no-punctuation   inherit
voice-balance	left   center   right   leftwards   rightwards   inherit <i>number</i>
voice-duration	<i>time</i>

## SPEECH

voice-family	inherit   [ <specific-voice, age, generic-voice, number > ]
voice-rate	x-slow   slow   medium   fast   x-fast   inherit %
voice-pitch	x-low   low   medium   high   x-high   inherit <i>number</i> %
voice-pitch-range	x-low   low   medium   high   x-high   inherit <i>number</i>
voice-stress	strong   moderate   none   reduced   inherit
voice-volume	silent   x-soft   soft   medium   loud   x-loud   inherit <i>number</i> %

## TEMPLATE LAYOUT

box-align box-direction	start   end   center   base   normal   reverse
flex	<i>number</i>
box-flex-group	<i>integer</i>
box-lines	single   multiple
box-orient	horizontal   vertical   inline-axis   block-axis
box-pack	start   end   center   justify
box-sizing	content-box   padding-box   border-box   margin-box top   bottom   left   right
tab-side	

## LIST & MARKERS

list-style	<i>list-style-type</i> <i>list-style-position</i> <i>list-style-image</i>
list-style-image	none <i>url</i>
list-style-position	Inside   outside
list-style-type	none   asterisks   box   check   circle   diamond   disc   hyphen   square   decimal   decimal-leadingzero   lower-roman   upperroman   lower-alpha   upper- alpha   lower-greek   lower-latin   upper-latin   hebrew   armenian   georgian   cjk-ideographic   hiragana   katakana   hiragana- iroha   katakana-iroha   footnotes
marker-offset	auto  <i>length</i>

## GRID POSITIONING

grid-columns	none   inherit [ <i>length</i> <i>percentage</i> <i>relative length</i> ]
grid-rows	none   inherit [ <i>length</i> <i>percentage</i> <i>relative length</i> ]

## OUTLINE

outline	<i>outline-color</i> <i>outline-style</i> <i>outline-width</i>
outline-color	invert <i>color</i>
outline-offset	inherit <i>length</i>
outline-style	None   dotted   dashed   solid   double   groove   ridge   inset   outset
outline-width	thin   medium   thick <i>length</i>

## 3D / 2D TRANSFORM

backface-visibility	visible   hidden
perspective	none <i>number</i>
perspective-origin	[ [ [ <i>percentage</i> >   <i>&lt;length&gt;</i>   left   center   right ] ] <i>&lt;percentage&gt;</i>   <i>&lt;length&gt;</i>   top   center   bottom ]? ] <i>&lt;length&gt;</i> ]   [ [ [ left   center   right ] ]   top   center   bottom ] ] <i>&lt;length&gt;</i> ]
transform	none   matrix   matrix3d   translate3d   translateX   translateY   translateZ   scale   scale3d   scaleX   scaleY   scaleZ   rotate   rotate3d   rotateX   rotateY   rotateZ   skewX   skewY   skew   perspective
transform-origin	[ [ [ <i>&lt;percentage&gt;</i>   <i>&lt;length&gt;</i>   left   center   right ] ] [ <i>&lt;percentage&gt;</i> <i>&lt;length&gt;</i>   top   center   bottom ]? ] <i>&lt;length&gt;</i> ] ]   [ left   center   right ]      top   center   bottom ] ] <i>&lt;length&gt;</i> ]
transform-style	flat   preserve-3d

## HYPERLINK

target	<i>target-name</i> <i>target-new</i> <i>target-position</i>
target-name	current   root   parent   new   modal <i>string</i>
target-new	window   tab   none
target-position	above   behind   front   back



## GENERATED CONTENT

bookmark-label	content <i>attr</i> <i>string</i>
bookmark-level	none <i>integer</i>
bookmark-target	self <i>uri</i> <i>attr</i>
border-length	auto <i>length</i>
content	normal   none   inhibit <i>uri</i>
counter-increment	none <i>identifier number</i>
counter-reset	none <i>identifier number</i>
crop	auto <i>shape</i>
display	normal   none   list-item
<b>float-offset</b>	<i>length length</i>
hyphenate-after	auto <i>integer</i>
hyphenate-before	auto <i>integer</i>
hyphenate-character	auto <i>integer</i>
hyphenate-lines	no-limit <i>integer</i>
hyphenate-resource	none <i>uri</i>
hyphens	none   manual   auto
image-resolution	normal   auto <i>dpi</i>
marks	[ crop    cross ]   none
move-to	normal   here <i>identifier</i>
page-policy	start   first   last
quotes	none <i>string string string string</i>

## GENERATED CONTENT

string-set	<i>identifier</i> <i>content-list</i>
text-replace	none <i>[&lt;string&gt; &lt;string&gt;]+</i>

## POSITIONING

bottom	auto % <i>length</i>
clip	<i>shape</i> auto
left	auto % <i>length</i>
position	static   relative   absolute   fixed
right	auto % <i>length</i>
top	auto % <i>length</i>
z-index	auto <i>number</i>

## RUBY

ruby-align	auto   start   left   center   end   right   distribute-letter   distribute-space   lineedge
ruby-overhang	auto   start   end   none
ruby-position	before   after   right   inline
ruby-span	attr(x)   none

## LINE BOX

alignment-adjust	auto   baseline   before-edge   text-before-edge   middle   central   after-edge   text-after-edge   ideographic   alphabetic   hanging   mathematical <i>length</i> %
alignment-baseline	baseline   use-script   before-edge   text-before-edge   after-edge   text-after-edge   central   middle   ideographic   alphabetic   hanging   mathematical
baseline-shift	baseline   sub   super <i>length</i> %
dominant-baseline	auto   use-script   nochange   reset-size   alphabetic   hanging   ideographic   mathematical   central   middle   text-after-edge   text-before-edge
drop-initial-after-align	<i>alignment-baseline</i>
drop-initial-after-adjust	central   middle   after-edge   text-after-edge   ideographic   alphabetic   mathematical <i>length</i> %
drop-initial-before-align	caps-height <i>alignment-baseline</i>
drop-initial-before-adjust	before-edge   text-before-edge   central   middle   hanging   mathematical <i>length</i> %
drop-initial-value	initial integer
drop-initial-size	auto <i>integer</i> % <i>line</i>
inline-box-align	initial   last <i>integer</i>
line-height	normal <i>number</i> <i>length</i> %

## LINE BOX

line-stacking	<i>line-stacking-strategy</i> <i>line-stacking-ruby</i> <i>line-stacking-shift</i>
line-stacking-strategy	inline-line-height   blockline-height   max-height   grid-height
line-stacking-ruby	exclude-ruby   include-ruby
line-stacking-shift	consider-shifts   disregardshifts
text-height	auto   font-size   text-size   max-size
vertical-align	Baseline   sub   super   top   text-top   middle   bottom   text-bottom <i>length</i> %

## PAGED MEDIA

fit	fill   hidden   meet   slice
fit-position	[top   center   bottom]    [left   center   right] <i>length</i> %
image-orientation	auto <i>angle</i>
orphans	<i>integer</i>
page	auto <i>identifier</i>
page-break-after	auto   always   avoid   left   right
page-break-before	auto   always   avoid   left   right
page-break-inside	auto   avoid
size	auto   landscape   portrait <i>length</i>
windows	<i>integer</i>

## UI

appearance	normal   inherit   [icon   window   desktop   workspace   document   tooltip   dialog   button   pushbutton   hyperlink   radiobutton   checkbox   menuitem   tab   menu   menubar   pull-down-menu   pop-up-menu   list-menu   radio-group   checkboxgroup   outline-tree   range   field   combo-box   signature   password]
cursor	auto   crosshair   default   pointer   move   e-resize   ne-resize   nw-resize   nresize   se-resize   sw-resize   s-resize   w-resize   text   wait   help <i>url</i>
icon	auto   inherit <i>url</i>
nav-index	auto   inherit <i>number</i>
nav-up	auto   inherit <id> [ <i>current</i>   <i>root</i>   <target-name> ]
nav-right	auto   inherit <id> [ <i>current</i>   <i>root</i>   <target-name> ]
nav-down	auto   inherit <id> [ <i>current</i>   <i>root</i>   <target-name> ]
nav-left	auto   inherit <id> [ <i>current</i>   <i>root</i>   <target-name> ]
resize	none   both   horizontal   vertical   inherit

## PSEUDO-ELEMENT

<b>::first-letter</b>	Adds special style to the first letter of a text
<b>::first-line</b>	Adds special style to the first line of a text
<b>::before</b>	Inserts some content before an element
<b>::after</b>	Inserts some content after an element

## PSEUDO-CLASS

<b>:active</b>	an activated element
<b>:focus</b>	an element while the element has focus
<b>:visited</b>	a visited link
<b>:hover</b>	an element when you mouse over it
<b>:link</b>	an unvisited link
<b>:disabled</b>	an element while the element is disabled
<b>:enabled</b>	an element while the element is enabled
<b>:checked</b>	an element (form element control) that is checked
<b>:selection</b>	an element that is currently selected of highlighted by the user
<b>:lang</b>	Allows the author to specify a language to use in a specified element
<b>:nth-child(n)</b>	an element that is the n-th sibling counting from the last sibling
<b>:nth-last-child(n)</b>	an element that is the first sibling
<b>:first-child</b>	an element that is the last sibling
<b>:last-child</b>	an element that is the only child
<b>:only-child</b>	an element that is the n-th sibling of its type.
<b>:nth-of-type(n)</b>	an element that is the n-th sibling of its type counting from the last sibling
<b>:nth-last-of-type(n)</b>	an element that is the first sibling of its type
<b>:last-of-type</b>	an element that is the last sibling of its type
<b>:first-of-type</b>	an element that is the only child of that type
<b>:only-of-type</b>	an element that has no children
<b>:root</b>	root element within the document
<b>:empty</b>	an element not represented by the argument 'x'
<b>:not(x)</b>	a target element as specified by a target in a URI
<b>:target</b>	

## UNITS

### ABSOLUTE MEASUREMENT

%	percentage
cm	centimeter
in	inch
mm	millimeter
pc	pica (1p = 12 points)
pt	point (1pt = 1/72 inch)

### RELATIVE MEASUREMENT

ch	width of the "0" glyph found in the font for the font size used to render
em	1em = current font size of current element x-height of the element's font
ex	the grid defined by 'layout-grid' pixel
gd	of the viewing device
px	the font size of the root element the
rem	viewport's height
vh	the viewport's width
vw	viewport's height or width, whichever is smaller of the two
vm	

### ANGLES

deg	degrees
grad	grads
rad	radians
turn	turns

### FREQUENCY

Hz	hertz
kHz	kilo-hertz

### TIME

ms	milli-seconds
s	seconds

### COLORS

color name	red, blue, green, dark green
rgb(x,y,z)	red = rgb(255,0,0)
rgb(x%,y%,z%)	red = rgb(100%,0,0)
rgba(x,y,z, alpha)	red = rgba(255,0,0)
#rrggbb	red = #ff0000 (or shorthand = #f00) red = hsl(0, 100%, 50%)
hsl(hue, saturation, lightness)	
hsla(hue, saturation, lightness, alpha)	red = hsl(0, 100%, 50%)
flavor	An accent color (typically chosen by the user) to customize the user interface of the user agent itself
currentColor	computed value of the 'currentColor' keyword is the computed value of the 'color' property

Name	Info	Example
Universal	Any element	<code>* { font: 10px Arial; }</code>
Type	Any element of that type	<code>h1 { text-decoration: underline; }</code>
Grouping	Multiple elements of different types	<code>h1, h2, h3 { font-family: Verdana; }</code>
Class	Multiple elements of different types when you don't want to affect all instances of that type	<code>.sampleclass { text-decoration: underline; }</code>
Id	A single element type when you don't want to affect all instances of that type	<code>#sampleid { text-decoration: underline; }</code>
Descendant	An element that is below (in the document tree) another element—no matter how many levels below	<code>#gallery h1 { text-decoration: underline; }</code>
Child	An element that is directly below (in the document tree) another element	<code>#title &gt; p { font-weight: bold; }</code>
Adjacent Sibling	All elements that share the same parent and elements are in the same immediate sequence	<code>h1 + p { font-style: italic; }</code>
General Sibling	All elements that share the same parent and elements are in the same sequence (not necessarily immediate)	<code>h1 ~ p { font-style: italic; }</code>
Attribute	An element with that matches the attribute listed	<p><code>E[selected]</code> - att whatever the value</p> <p><code>E[att="val"]</code> - att with a specific value</p> <p><code>E[rel~="next"]</code> - att with a value is a whitespace separated list</p> <p><code>*[lang="en"]</code> - att value either being exactly "val" or beginning with "val" immediately followed by "-"</p> <p><code>E[att^="val"]</code> - att value that begins with the prefix "val"</p> <p><code>E[att\$="val"]</code> - att value that end with the suffix "val"</p> <p><code>E[att*="val"]</code> - att value contains at least one instance of the substring "val"</p>