

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

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	<i>border-width</i> <i>border-style</i> <i>border-color</i>
border-break	<i>border-width</i> <i>border-style</i> <i>color</i> close
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>

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	<i>thin</i> <i>medium</i> <i>thick</i> <i>length</i>
border-width	<i>thin</i> <i>medium</i> <i>thick</i> <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>
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</i>
box-shadow	<i>inset</i> [<i>length</i> , <i>length</i> , <i>length</i> , <i>length</i>] < <i>color</i> > <i>none</i>
border-style	<i>none</i> <i>hidden</i> <i>dotted</i> <i>dashed</i> <i>solid</i> <i>double</i> <i>groove</i> <i>ridge</i> <i>inset</i> <i>outset</i>

TRANSITIONS

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

BOX MODEL

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

BOX MODEL

margin-top	auto <i>length</i> %
padding	<i>padding padding-top</i> <i>padding-right</i> <i>padding-bottom</i> <i>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</i> <i>font-variant</i> <i>font-weight</i> <i>font-size/line-height</i> <i>font-family</i> caption icon menu message-box smallcaption status-bar
font-family	<i>family-name</i> <i>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
length
%

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

text-emphasis none | [[accent | dot | circle
| disc] [before | after]?]

text-indent *length*
%

text-justify auto | inter-word | interideograph
| inter-cluster | distribute |
kashida | tibetan

text-outline none
color
length

text-shadow none
color
length

text-transform none | capitalize | uppercase
| lowercase

text-wrap normal | unrestricted | none
| suppress

unicode-bidi normal | embed | bidirectional-override

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
length
%

word-wrap normal | break-word

COLUMN

column-count auto
number

column-fill auto | balance

column-gap normal
length

column-rule *column-rule-width*
column-rule-style
column-rule-color

column-rule-color *color*

column-rule-style *border-style*

column-rule-width thin | medium | thick
length

columns *column-width*
column-count

column-span 1 | all

column-width auto
length

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 none | IDENT

animation-play-state running | paused

animation-timing-function ease | linear | ease-in |
ease-out | ease-in-out |
cubic-Bezier (number,
number, number, number)

SPEECH

cue *cue-before
cue-after*

cue-before *uri [silent | x-soft | soft |
medium | loud | x-loud] |
none | inherit]
number
%*

cue-after *uri [silent | x-soft | soft |
medium | loud | x-loud] |
none | inherit]
number
%*

mark *mark-before
mark-after*

mark-before *string*

mark-after *string*

pause *pause-before
pause-after*

pause-before *none | x-weak | weak |
medium | strong | x-strong
| inherit
time*

pause-after *none | x-weak | weak |
medium | strong | x-strong
| inherit
time*

phonemes *string*

rest *rest-before
rest-after*

rest-before *none | x-weak | weak |
medium | strong | x-strong
| inherit
time*

rest-after *none | x-weak | weak |
medium | strong | x-strong
| inherit
time*

speak *none | normal | spell-out |
digits | literal-punctuation |
no-punctuation | inherit*

voice-balance *left | center | right | leftwards
| rightwards | inherit
number*

voice-duration *time*

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
number
%*

voice-pitch-range *x-low | low | medium | high
| x-high | inherit
number*

voice-stress *strong | moderate | none |
reduced | inherit*

voice-volume *silent | x-soft | soft | medium
| loud | x-loud | inherit
number
%*

TEMPLATE LAYOUT

box-align *start | end | center | base*

box-direction *normal | reverse*

box-flex *number*

box-flex-group *integer*

box-lines *single | multiple*

box-orient *horizontal | vertical | inlineaxis
| block-axis*

box-pack *start | end | center | justify*

box-sizing *content-box | padding-box |
border-box | margin-box*

tab-side *top | bottom | left | right*

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

OUTLINE

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

3D / 2D TRANSFORM

backface-visibility	visible hidden
perspective	none <i>number</i>
perspective-origin	[[[<i>percentage</i> <i>length</i> left center right] [<i>percentage</i> <i>length</i> top center bottom]?] <i>length</i>] [[[left center right] [top center bottom]] <i>length</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>percentage</i> > < <i>length</i> > left center right] [< <i>percentage</i> > < <i>length</i> > top center bottom]?] < <i>length</i> >] [[[left center right] [top center bottom]] < <i>length</i> >]

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

GENERATED CONTENT

string-set	identifier content-list
text-replace	none [<string> <string>]+

POSITIONING

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

RUBY

ruby-align	auto start left center end right distribute-letter distribute-space lineage
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	<i>caps-height</i> <i>alignment-baseline</i>
drop-initial-before-adjust	before-edge text-before-edge central middle hanging mathematical <i>length</i> %
drop-initial-value	initial <i>integer</i>
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 < <i>id</i> > [<i>current</i> <i>root</i> < <i>target-name</i> >]
nav-right	auto inherit < <i>id</i> > [<i>current</i> <i>root</i> < <i>target-name</i> >]
nav-down	auto inherit < <i>id</i> > [<i>current</i> <i>root</i> < <i>target-name</i> >]
nav-left	auto inherit < <i>id</i> > [<i>current</i> <i>root</i> < <i>target-name</i> >]
resize	none both horizontal vertical inherit

PSEUDO-ELEMENT

::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

PSEUDO-CLASS

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

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
ex	x-height of the element's font
gd	the grid defined by 'layout-grid'
px	pixel of the viewing device
rem	the font size of the root element
vh	the viewport's height
vw	the viewport's width
vm	viewport's height or width, whichever is smaller of the two

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(255,0,0,1)
#rrggbb	red = #ff0000 (or shorthand = #f00)
hsl(hue, saturation, lightness)	red = hsl(0, 100%, 50%)
hsla(hue, saturation, lightness, alpha)	red = hsl(0, 100%, 50%, 1)
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

SELECTOR TYPES

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