Cheat Sheet

Cascading Style Sheets
(CSS 3)

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search filters
search gradient
search caret color
search pointer eventes

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BACKGROUND

background	*background-image* *background-position* *background-size* *background-repeat* *background-attachment* *background-origin* *background-clip* *background-color*
background-attachment	scroll | fixed
background-break	bounding-box | each-box | continuous
background-clip	*length* % border-box | padding-box | content-box | no-clip
background-color	*color* name, rgb(), hsl(), #hexa transparent
background-image	*url* 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 *x-% y-%* *x-pos y-pos*
background-repeat	defualt repeat | repeat-x | repeaty | no-repeat
background-size	*length* width, height % auto | cover | contain defualt

TABLE

border-collapse	collapse | separate
border-spacing	*length length*
caption-side	top | bottom | left | right
empty-cells	show | hide
table-layout	table-layout auto | fixed

BORDER

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

float	left | right |
clear	right | left | both

BORDER

border-top take width from element	*border-top-width* *border-style* *border-color*
border-top-color	*border-color*
border-top-style	*border-style*
border-top-width	thin | medium | thick *length*
border-width	thin | medium | thick *length*
border-radius	*border-top-right-radius* *border-bottom-right-radius* *border-bottom-left-radius* *border-top-left-radius*
border-top-right-radius	*length*
border-bottom-right-radius	*length*
border-bottom-left-radius	*length*
border-top-left-radius	*length*
H-Shadow | V-Shadow | Blur | Spread | color | Inset **box-shadow**	inset || [*length, length, length, length* || *<color>*] none
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-property	none | all
transition-timing-function	ease | linear | ease-in | ease-out | ease-in-out | cubic-Bezier (number, number, number, number)

BOX MODEL

clear	left | right | both | none
none : don't keep the position	
display block respect margin, padding, width, height. inline respect padding, margin [left, right]. inline-block respect margin, padding, width, height.	none | inline | block | inlineblock | list-item | run-in | compact | table | inlinetable | table-row-group | table-header-group | tablefooter-group | table-row | table-column-group | tablecolumn | table-cell | tablecaption | ruby | ruby-base | ruby-text | ruby-base-group | ruby-text-group
float	left | right | none
height	auto *length* %
max-height	none *length* %
max-width	none *length* %
min-height	none | inherit *length* %
min-width	none | inherit *length* %
width	auto fit-content % *length*
vertical margin is collapse **margin** take negative value	*margin margin-top* *margin-right* *margin-bottom* *margin-left*
margin-bottom	auto *length* %
margin-left	auto (center) *length* %
margin-right	auto *length* %

BOX MODEL

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

hidden : keep the position

FONT

font	*font-style* *font-variant* *font-weight* *font-size/line-height* *font-family* caption | icon | menu | message-box | smallcaption | status-bar
font-family	*family-name* *generic-family* inherit
font-size	xx-small | x-small | small | medium | large | x-large | xx-large | smaller | larger | inherit *length* %
font-size-adjust	none| inherit *number*
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 *color*
opacity	inherit *number* 0 ~ 1

TEXT

direction	ltr | rtl | inherit
hanging-punctuation	none | [start | end | endedge]
letter-spacing	normal *length* *%*
text-overflow	
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 void space before element	*length* *%*
text-justify	auto | inter-word | interideograph | inter-cluster | distribute | kashida | tibetan
text-outline	none *color* *length*
text-shadow	h-shadow v-shadow blur color none *color* *length*
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 *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 animation-fill-mode	ease | linear | ease-in | ease-out | ease-in-out | cubic-Bezier (number, number, number, number)

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	*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*

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

functions   calc()

LIST & MARKERS

list-style	*list-style-type* *list-style-position* *list-style-image*
list-style-image	none *url*
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 *length*

GRID POSITIONING

grid-columns	none | inherit *[length percentage relative length]*
grid-rows	none | inherit *[length percentage relative length]*

OUTLINE

outline Don't take width, don't affected with border-redius	*outline-color* *outline-style* *outline-width*
outline-color	*color* invert
outline-offset	inherit *length*
outline-style	None | dotted | dashed | solid | double | groove | ridge | inset | outset
outline-width	thin | medium | thick *length*

3D / 2D TRANSFORM

flip-visibility **backface-visibility**	visible | hidden
perspective parent element	none *number*
perspective-origin	*[[[percentage> | <length> | left | center | right] [<percentage> | <length> | top | center | bottom]?] <length>] | [[[left | center | right] || [top | center | bottom]] <length>]*
transform	none | matrix | matrix3d | translate3d | translateX | translateY | translateZ | scale | scale3d | scaleX | scaleY | scaleZ | rotate | rotate3d | rotateX | rotateY | rotateZ | skewX | skewY | skew | perspective
transform-origin default 50% 50% 0	*[[[<percentage> | <length> | left | center | right] [<percentage> | <length> | top | center | bottom]?] <length>] | [[[left | center | right] || [top | center | bottom]] <length>]*
transform-style	flat | preserve-3d

HYPERLINK

target	*target-name* *target-new* *target-position*
target-name	current | root | parent | new | modal *string*
target-new	window | tab | none
target-position	above | behind | front | back

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*

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*

Handwritten annotations:
- oursilf, parent = relative, out workflow
- sticy : in position
- layers
- number takes negative

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 | beforeedge | text-before-edge | middle | central | after-edge | text-after-edge | ideographic | alphabetic | hanging | mathematical *length* *%*
alignment-baseline	baseline | use-script | before-edge | text-beforeedge | after-edge | textafter-edge | central | middle | ideographic | alphabetic | hanging | mathematical
baseline-shift	baseline | sub | super *length* *%*
dominant-baseline	auto | use-script | nochange | reset-size | alphabetic | hanging | ideographic | mathematical | central | middle | text-after-edge | text-before-edge
drop-initial-after-align	*alignment-baseline*
drop-initial-after-adjust	central | middle | after-edge | text-after-edge | ideographic | alphabetic | mathematical length *%*
drop-initial-before-align	caps-height *alignment-baseline*
drop-initial-before-adjust	before-edge | text-beforeedge | central | middle | hanging | mathematical *length* *%*
drop-initial-value	initial integer
drop-initial-size	auto *integer* *%* *line*
inline-box-align	initial | last *integer*
line-height use 1.6, 160%	normal *number* *length* *%*

LINE BOX

line-stacking	*line-stacking-strategy* *line-stacking-ruby* *line-stacking-shift*
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 *length* *%*

PAGED MEDIA

fit	fill | hidden | meet | slice
fit-position	[top | center | bottom] || [left | center | right] *length* *%*
image-orientation	auto *angle*
orphans	*integer*
page	auto *identifier*
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 *length*
windows	*integer*

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 *url*
icon	auto | inherit *url*
nav-index	auto | inherit *number*
nav-up	auto | inherit *<id> [current | root | <target-name>]*
nav-right	auto | inherit *<id> [current | root | <target-name>]*
nav-down	auto | inherit *<id> [current | root | <target-name>]*
nav-left	auto | inherit *<id> [current | root | <target-name>]*
resize	none | both | horizontal | vertical | inherit

PSEUDO-ELEMENT

use content takes text, counter(), attr(),

::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

::selection

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 of 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

default font size for web page is 16px

ABSOLUTE MEASUREMENT

%	percentage from parent
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 `<html>`
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)
#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%)
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	* { 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 { textdecoration: underline; }
Id	A single element type when you don't want to affect all instances of that type	#sampleid { textdecoration: underline; }
Descendant (Nesting)	An element that is below (in the document tree) another element—no matter how many levels below	#gallery h1 { textdecoration: 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	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
*[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"