

THE ULTIMATE



*Cheat Sheet*



## Selector Types

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 that matches the attribute listed	<p><code>E[selected] - att whatever the value</code></p> <p><code>E[att="val"] - att with a specific value</code></p> <p><code>E[rel~="next"] - att with a value is a whitespace separated list</code></p> <p><code>*[lang = "en"] - att value either being exactly "val" or beginning with "val" immediately followed by "-"</code></p> <p><code>E[att^="val"] - att value that begins with the prefix "val"</code></p>

## 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'
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

## Time

ms	milli-seconds
s	seconds

## Frequency

Hz	hertz
kHz	kilo-hertz

## 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(255,0,0,0)
#rrggbb	red = #ff0000 (or shorthand - #f00)
hsl	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	Computer value of the 'currentColor' keyword is the computed value of the 'color' property

## Pseudo-class

:active	an activated element
:focus	an element while the element has focus
: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 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 last sibling of its type
:first-of-type	an element that is the first sibling of its type
:only-of-type	an element that is the only child of its 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 UR

## 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 the content of an element
::after	Inserts some content after the content of an element

## Absolute Measurement

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

## Backgrounds

### background

background-image  
background-position  
background-size  
background-repeat  
background-attachment  
background-origin  
background-clip  
background-color

### background-image

url | Gradients | none

### 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-size

length  
%  
auto | cover | contain

### background-repeat

repeat | repeat-x | repeat-y | no-repeat

### background-attachment

scroll | fixed | local

### background-origin

border-box | padding-box | content-box

### background-clip

border-box | padding-box | content-box | no-clip

### background-color

color  
transparent

## Border

### border

border-width  
border-style  
border-color

### border-width

thin | medium | thick | length

### border-style

none | hidden | dotted |  
dashed | solid | double |  
groove | ridge | inset | outset

### border-color

color

### border-left

border-left-width  
border-style  
border-color

### border-left-style

border-style

### border-top-color

border-color

### border-top-width

thin | medium | thick | length

### border-bottom

border-bottom-width  
border-style  
border-color

### border-bottom-color

border-color

### border-bottom-style

border-style

### border-break

border-width  
border-style  
color  
close

### box-shadow

## Box Model

```
float padding-left
left | right | none length
length %

height padding-right
auto length %
length %

max-height padding-top
none length %
length %

max-width display
none | inline | block | inline-block
| list-item | run-in |
compact | table | inline-table |
table-row-group | table-header-group
| table-footer-group |
table-row | table-column-group |
table-column | table-cell |
table-caption | ruby | ruby-base
| ruby-text | ruby-base-group |
ruby-text-group | inline-flex | inline-grid |
contents

width overflow
auto visible | hidden | scroll |
length auto | no-display | no-content
% overflow-x
overflow-y

margin overflow-style
margin-top auto | marquee-line | marqueeblock
margin-right
margin-bottom
margin-left

margin-bottom overflow-x
auto visible | hidden | scroll |
length auto | no-display | no-content
% rotation
angle

margin-left rotation-point
height position (paired value off-set)

margin-right visibility
auto visible | hidden | collapse
length %

margin-top clear
auto left | right | both | none
length %

padding padding-bottom
length %

padding-top
padding-right
padding-bottom
padding-left

padding-bottom
length %
```

## Font

```
font          font-style
font-style    normal | italic | oblique |
font-variant inherit

font-variant
normal | small-caps | inherit

font-weight
xx-small | x-small | small |
medium | large | x-large | xxlarge
| smaller | larger |
inherit
length
%
font-size-adjust
none | inherit
number

font-family
serif | sans-serif | monospace | cursive |
fantasy | system-ui | emoji | math | fangsong |
inherit | initial | unset

font-style
normal | italic | oblique |
inherit

font-variant
normal | small-caps | inherit

font-size
xx-small | x-small | small |
medium | large | x-large | xxlarge
| smaller | larger |
inherit
length
%
font-weight
normal | bold | bolder | lighter
| 100 | 200 | 300 | 400 | 500 |
600 | 700 | 800 | 900 | inherit
```

## Text

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

## Column

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

## Colors

color	opacity
inherit	inherit
color	number

## Table

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

# Speech

**cue**  
cue-before  
cue-after

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

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

**mark**  
mark-before  
mark-after

**mark-before**  
string

**mark-after**  
string

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

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

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

**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

**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 | xhigh | inherit  
number  
%

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

**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-number

## List & Markers

**list-style**  
**list-style-type**  
**list-style-position**  
**list-style-image**

**list-style-type**

none | asterisks | box | check | circle | diamond | disc | hyphen | square | decimal | decimal-leading-zero | lower-roman | upper-roman | lower-alpha | upper-alpha | lower-greek | lower-latin | upper-latin | hebrew | armenian | georgian | cjk-ideographic | hiragana | katakana | hiragana-iroha | katakana-iroha | footnotes

**list-style-image**

none  
url

**marker-offset**

auto  
length

## Animations

**animations**  
**animation-name**  
**animation-duration**  
**animation-timing-function**  
**animation-delay**  
**animation-iteration-count**  
**animation-direction**

**animation-name**

none | IDENT

**animation-duration**

time

**animation-timing-function**

ease | linear | ease-in | ease-out | ease-in-out | cubic-bezier (number, number, number, number)

**animation-delay**

time

**animation-iteration-count**

inherit  
number

**animation-direction**

normal | alternate

**animation-play-state**

running | paused

## Transitions

**transitions**  
**transitions-property**  
**transitions-duration**  
**transitions-timing-function**  
**transitions-delay**

**transitions-delay**

time

**transitions-duration**

time

**transitions-property**

none | all

**transition-timing-function**

ease | linear | ease-in | ease-out | ease-in-out | cubic-bezier(number, number, number, number)

# UI

## appearance

normal | inherit | [icon | window | desktop | work-space | document | tooltip | dialog | button | push-button | hyperlink | radio-button | checkbox | menu-item | tab | menu | menubar | pull-down-menu | pop-up-menu | list-menu | radio-group | checkbox-group | outline-tree | range | field | combo-box | signature | password]

## cursor

auto | crosshair | default | pointer | move | e-resize | neresize | nw-resize | n-resize | se-resize | sw-resize | swresize | 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

## Outline

### outline

outline-color  
outline-style  
outline-width

### outline-offset

inherit  
length

### outline-style

none | dotted | dashed | solid | double | groove  
| ridge | inset | outset

### outline-width

thin | medium | thick  
length

## 3D / 2D Transform

### backface-visibility

visible | hidden

### perspective

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

[ [ [ <percentage> | <length> | left | center |  
right ] [ <percentage> | <length> | top | center  
| bottom ]? ] <length> ] | [ [ [ left | center  
| right ] || [ top | center | bottom ] ]  
<length> ]

### transform-style

flat | preserve-3d

## Generated Content

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

## Line Box

### alignment-adjust

auto | baseline | before-edge | text-before-edge  
| middle | central | after-edge | text-after-edge  
| ideographic | alphabetic | hanging |  
mathematical  
length  
%

### 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  
length  
%

### dominant-baseline

auto | use-script | no-change | reset-size |  
alphabetic | hanging | ideographic |  
mathematical | central | middle  
| text-after-edge | text-before-edge

### drop-initial-after-align

alignment-baseline  
drop-initial-after-align  
central | middle | after-edge |  
text-after-edge | ideographic |  
alphabetic | mathematical  
%

### drop-initial-before-align

caps-height  
alignment-baseline  
drop-initial-before-adjust  
before-edge | text-before-edge | central |  
middle | hanging | mathematical  
length  
%

### drop-initial-value

initial  
integer

### drop-initial-size

auto  
integer  
%  
line

### inline-box-align

initial | last  
integer

### line-height

normal  
number  
length  
%

### line-stacking

line-stacking-strategy  
line-stacking-ruby  
line-stacking-shift

### line-stacking-strategy

inline-line-height | block-lineheight  
| max-height | gridheight

### line-stacking-ruby

exclude-ruby | include-ruby

### line-stacking-shift

consider-shifts | disregardshifts

### line-stacking

line-stacking-strategy  
line-stacking-ruby  
line-stacking-shift

### text-height

auto | font-size | text-size |  
max-size

### vertical-align

Baseline | sub | super | top |  
text-top | middle | bottom |  
text-bottom  
length  
%

## Line Box

### alignment-adjust

auto | baseline | before-edge | text-before-edge  
| middle | central | after-edge | text-after-edge  
| ideographic | alphabetic | hanging |  
mathematical  
length  
%

### 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  
length  
%

### dominant-baseline

auto | use-script | no-change | reset-size |  
alphabetic | hanging | ideographic |  
mathematical | central | middle  
| text-after-edge | text-before-edge

### drop-initial-after-align

alignment-baseline  
drop-initial-after-align  
central | middle | after-edge |  
text-after-edge | ideographic |  
alphabetic | mathematical  
%

### drop-initial-before-align

caps-height  
alignment-baseline  
drop-initial-before-adjust  
before-edge | text-before-edge | central |  
middle | hanging | mathematical  
length  
%

### drop-initial-value

initial  
integer

### drop-initial-size

auto  
integer  
%  
line

### inline-box-align

initial | last  
integer

### line-height

normal  
number  
length  
%

### line-stacking

line-stacking-strategy  
line-stacking-ruby  
line-stacking-shift

### line-stacking-strategy

inline-line-height | block-lineheight  
| max-height | gridheight

### line-stacking-ruby

exclude-ruby | include-ruby

### line-stacking-shift

consider-shifts | disregardshifts

### line-stacking

line-stacking-strategy  
line-stacking-ruby  
line-stacking-shift

### text-height

auto | font-size | text-size |  
max-size

### vertical-align

Baseline | sub | super | top |  
text-top | middle | bottom |  
text-bottom  
length  
%

## Hyperlink

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

## Positioning

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