

New

THE ULTIMATE
CSS3
CHEAT SHEET

{ ... }

MASTER CSS IN MINUTES:
A Complete Cheat Sheet on
CSS3

BY: SAIDUL ISLAM

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 > 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

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

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