Beginner's essential
CSS CHEAT SHEET

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-left-color
border-color

border-left-width
thin | medium | thick length

border-right
border-right-width
border-style
border-color

border-right-style
border-style

border-right-color
border-color

border-right-width
thin | medium | thick | length

border-top
border-top-width
border-style
border-color

border-top-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
inset || [length, length,
length, length || <color>]
none

border-collapse
collapse | separate

border-image
image
[number | % border-width
stretch | repeat | round]
none

border-radius
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

Box Model

float
left | right | none

height
auto
length
%

max-height
none
length
%

max-width
none
length
%

min-height
none
length
%

width
auto
%
length

margin
margin-top
margin-right
margin-bottom
margin-left

margin-bottom
auto
length
%

margin-left
auto
height

margin-right
auto
height
%

margin-top
auto
length
%

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

padding-bottom
length
%

padding-left
length
%

padding-right
length
%

padding-top
length
%

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

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

overflow-style
auto | marquee-line | marqueeblock

overflow-x
visible | hidden | scroll |
auto | no-display | no-content

rotation
angle

rotation-point
position (paired value off-set)

visibility
visible | hidden | collapse

clear
left | right | both | none

Font

font
font-style
font-variant
font-weight
font-size/line-height
font-family
caption | icon | menu | messagebox
| small-caption | status-bar

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
ltr | rtl | inherit

hanging-punctuation
none | [start | end | endedge]

letter-spacing
normal
length
%

text-outline
none
color
length

unicode-bidi
normal | embed | bidi-override

white-space
normal | pre | nowrap | pre-wrap
| pre-line

white-space-collapse
perserve | collapse | pre-servebreaks
| discard

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-thorugh | blink

text-shadow
none
color
length

word-break
normal | keep-all | loose |
break-strict | break-all

word-wrap
normal
nowrap

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

text-indent
length
%

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

text-transform
none | capitalize | uppercase |
lowercase

text-wrap
normal | unresrricted | none |
suppress

word-spacing
normal
length
%

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-style
border-style

columns
column-width
column-count

column-rule-width
thin | medium | thick
length

column-width
auto
length

column-span
1 | all

Colors

color
inherit
color

opacity
inherit
number

Table

border-collapse
collapse | separate

empty-cells
show | hide

border-spacing
length length

table-layout
auto | fixed

caption-side
top | bottom | left | right

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 |
decimalleading-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 | easeout | 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
| cubicBezier(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

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

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	degress
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	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 sequence (not necessarily immediate)	`h1 ~ p { font-style: italic; }`
Attribute	An element 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"

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 | tranlsateX | 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`
content
attr
string

`bookmark-level`
none
integer

`bookmark-target`
self
url
attr

`border-length`
self
url
attr

`content`
normal | none | inhibit
url

`counter-reset`
none
identifier number

`crop`
auto
shape

`display`
normal | none | list-item

`float-offset`
length length

`hyphenate-after`
auto
integer

`counter-increment`
none
identifier number

`hyphenate-lines`
no-limit
integer

`hyphenate-resource`
none
url

`hyphens`
none | manual | auto

`image-resolution`
normal | auto
dpi

`hyphenate-before`
auto
integer

`hyphenate-character`
auto
string

`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>]+

Line Box

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

`alignment-baseline`
baseline | use-script | beforeedge | text-before-edge | afteredge | 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-beforeedge

`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-name
target-new
target-position

`target-name`
current | root | parent | new |
modal
string

`target-new`
window | tab | none

`target-position`
above | behind | front | back

Positioning

`bottom`
auto
%
length

`right`
auto
%
length

`clip`
shape
auto

`top`
auto
%
length

`left`
auto
%
length

`z-index`
auto
Number

`position`
static | relative | absolute | fixed