Beginner's Essential

CSS CHEAT SHEET

What makes a website unique is its styling. A must-have skill for every web developer.

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Backgrounds

background

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

background-image

url gradients

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

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-bottom
border-bottom-width

border-style border-color

border-left
border-left-width

border-style border-color

border-left-style border-style **border-right-color** border-color **border-right-width**
thin | medium | thick | length

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

border-break
border-width

border-style

color close

border-bottom-color border-color **border-bottom-style** border-style **border-left-**

color border-color **border-left-width**

thin | medium | thick length

border-right-style

border-style **border-top**

border-top-width border-

style border-color

border-top-color border-color
border-top-style border-style
box-shadow

inset || [length, length, length, length || <color>] none

border-collapse collapse

| separate

border-image

image

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

border-right

border-right-width

border-style border-color

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 | flex | inline-flex | grid |
inline-grid | contents | 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

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

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 | Font Name

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-span
1 | all

column-width
auto length

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

%

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

%

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

%

pause
pause-before pause-after

pause-before
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-image

none url

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

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`
rotation
`angle rotation-point`

`position (paired value off-set)`

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`	milimeter
`pc`	pica (1p = 12 points)

`pt`	point (1pt = 1/72 inch)
`px`	pixel (1px = 1/96 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'
`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`	mili-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(hue, saturation, lightness)	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

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	`#gallery h1 { text-decoration: underline; }`
	below	
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 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 | tranlateX | 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 | ise-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

Ruby

ruby-align

auto | start | left | center | end | right | distribute-letter |
distribute-space | line-edge

ruby-overhang

auto | start | end | none

ruby-position

before | after | right | inline

ruby-span

attr(x) | none

Paged Media

fit

fill | hidden | meet | slice

fit-position

[top | center | bottom] || [left | center | right] length

%

orphans integer

image-orientation
auto angle

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