Beginner's Essential

CSS CHEAT SHEET

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

WebsiteSetup

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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>]

border-collapse

collapse | separate

border-image

image

[number / % border-width stretch | repeat | round]

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

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

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

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

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

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

identifier number

hyphenate-lines

no-limit

integer

hyphenate-resource

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

string string string string

string-set

identifier

content-list

text-replace

[<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

%

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