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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

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`

## **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**

preserve | 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-through | 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 | 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

### **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

<code>:active</code>	an activated element
<code>:focus</code>	an element while the element has focus
<code>:hover</code>	an element when you mouse over it
<code>:link</code>	an unvisited link
<code>:disabled</code>	an element while the element is disabled
<code>:enabled</code>	an element while the element is enabled
<code>:checked</code>	an element that is checked
<code>:selection</code>	an element that is currently selected or highlighted by the user
<code>:lang</code>	allows the author to specify a language to use in a specified element
<code>:nth-child(n)</code>	an element that is the n-th sibling
<code>:nth-last-child(n)</code>	an element that is the n-th sibling counting from the last sibling
<code>:first-child</code>	an element that is the first sibling
<code>:last-child</code>	an element that is the last sibling
<code>:only-child</code>	an element that is the only child
<code>:nth-of-type(n)</code>	an element that is the n-th sibling of its type
<code>:nth-last-of-type(n)</code>	an element that is the n-th sibling of its type counting from the last sibling
<code>:last-of-type</code>	an element that is the last sibling of its type
<code>:first-of-type</code>	an element that is the first sibling of its type
<code>:only-of-type</code>	an element that is the only child of its type
<code>:empty</code>	an element that has no children
<code>:root</code>	root element within the document
<code>:not(x)</code>	an element not represented by the argument 'x'
<code>:target</code>	a target element as specified by a target in a UR

## Pseudo-Element

<code>::first-letter</code>	Adds special style to the first letter of a text
<code>::first-line</code>	Adds special style to the first line of a text
<code>::before</code>	Inserts some content before the content of an element
<code>::after</code>	Inserts some content after the content of an element

## Absolute Measurement

<code>%</code>	percentage
<code>cm</code>	centimeter
<code>in</code>	inch
<code>mm</code>	millimeter
<code>pc</code>	pica (1p = 12 points)
<code>pt</code>	point (1pt = 1/72 inch)
<code>px</code>	pixel (1px = 1/96 inch)

## Relative Measurement

<code>ch</code>	width of the “0” glyph found in the font for the font size used to render
<code>em</code>	1em = current font size of current element
<code>ex</code>	x-height of the element’s font
<code>gd</code>	the grid defined by ‘layout-grid’
<code>rem</code>	the font size of the root element

<b>vh</b>	the viewport's height
<b>vw</b>	the viewport's width
<b>vm</b>	viewport's height or width, whichever is smaller of the two

## Angles

<b>deg</b>	degrees
<b>grad</b>	grads
<b>rad</b>	radians
<b>turn</b>	turns

## Time

<b>ms</b>	mili-seconds
<b>s</b>	seconds

## Frequency

<b>Hz</b>	hertz
<b>kHz</b>	kilo-hertz

# Colors

<code>color name</code>	red, blue, green, dark green
<code>rgb(x,y,z)</code>	red = <code>rgb(255,0,0)</code>
<code>rgb(x%,y%,z%)</code>	red = <code>rgb(100%,0,0)</code>
<code>rgba(x,y,z,alpha)</code>	red = <code>rgba(255,0,0,0)</code>
<code>#rrggbb</code>	red = <code>#ff0000</code> (or shorthand - <code>#f00</code> )
<code>hsl(hue, saturation, lightness)</code>	red = <code>hsl(0, 100%, 50%)</code>
<code>flavor</code>	An accent color (typically chosen by the user) to customize the user interface of the user agent itself.
<code>currentColor</code>	computer value of the 'currentColor' keyword is the computed value of the 'color' property

# 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	<code>#gallery h1 { text-decoration: underline; }</code>



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

# 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**

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-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-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`