



# CSS CheatSheet

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## Basics

### Syntax

```
selector{  
  property: value;  
  property2: value2;  
}
```

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### Include external css file

```
<link rel="stylesheet" type="text/css" href="/style.css" />
```

---

### Internal styles

```
<style type="text/css">  
div { color: #444; }  
</style>
```

---

### Inline styles

```
<tag style="property: value"> </tag>
```

---

### Clearfix

```
.clearfix:after {  
  clear: both;  
  content: " ";  
  display: block;  
  font-size: 0;  
  height: 0;  
  visibility: hidden;  
}  
.clearfix { display: inline-block; }  
* html .clearfix { height: 1%; }  
.clearfix { display: block; }
```

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## Selectors

*\*all elements*

**div***all div tags*

**div, p***all divs and paragraphs*

**div p***paragraphs inside divs*

**div > p***all p tags, one level deep in div*

**div + p***tags immediately after div*

**div ~ p***tags preceded by div*

**.classname***all elements with class*

**#idname***element with ID*

**div.classname***divs with certain classname*  
**div#idname***div with certain ID*  
**#idname \****all elements inside #idname*

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## Pseudo classes

**a:link***link in normal state*  
**a:active***link in clicked state*  
**a:hover***link with mouse over it*  
**a:visited***visited link*  
**p::after{content:"yo";}***add content after p*  
**p::before***add content before p*  
**input:checked***checked inputs*  
**input:disabled***disabled inputs*  
**input:enabled***enabled inputs*  
**input:focus***input has focus*  
**input:in-range***value in range*  
**input:out-of-range***input value out of range*  
**input:valid***input with valid value*  
**input:invalid***input with invalid value*  
**input:optional***no required attribute*  
**input:required***input with required attribute*  
**input:read-only***with readonly attribute*  
**input:read-write***no readonly attrib.*  
**div:empty***element with no children*  
**p::first-letter***first letter in p*  
**p::first-line***first line in p*  
**p:first-of-type***first of some type*  
**p:last-of-type***last of some type*  
**p:lang(en)***p with en language attribute*  
**:not(span)***element that's not a span*  
**p:first-child***first child of its parent*  
**p:last-child***last child of its parent*  
**p:nth-child(2)***second child of its parent*  
**p:nth-child(3n+1)***nth-child (an + b) formula*  
**p:nth-last-child(2)***second child from behind*  
**p:nth-of-type(2)***second p of its parent*  
**p:nth-last-of-type(2)***...from behind*  
**p:only-of-type***unique of its parent*  
**p:only-child***only child of its parent*  
**:root***documents root element*  
**::selection***portion selected by user*  
**:target***highlight active anchor*

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## Attribute selectors

**a[target]***links with a target attribute*  
**a[target="\_blank"]***links which open in new tab*  
**[title~="chair"]***title element containing a word*  
**[class^="chair"]***class starts with chair*  
**[class]="chair"***class starts with the chair word*  
**[class\*="chair"]***class contains chair*  
**[class\$="chair"]***class ends with chair*

`input[type="button"]` specified input type

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## Properties

**align-content** *behavior of the flex-wrap property*

**align-items** *alignment for items inside the container*

**align-self** *alignment for the selected item*

**all** *changes all properties*

**animation** *binds an animation to an element*

**animation-delay** *delays animation start*

**animation-direction** *reverse animation or in alternate cycles*

**animation-duration** *animation duration in seconds or ms*

**animation-fill-mode** *style when the animation is not playing*

**animation-iteration-count** *number of an animation replays*

**animation-name** *name for the @keyframes animation*

**animation-play-state** *the animation is running or paused*

**animation-timing-function** *speed curve of an animation*

**backface-visibility** *is element visible when not facing the screen*

**background** *all background properties in one declaration*

**background-attachment** *is the background image fixed or scrolls*

**background-blend-mode** *blending mode of each background layer*

**background-clip** *painting area of the background*

**background-color** *background color*

**background-image** *background image*

**background-origin** *where the background image is positioned*

**background-position** *starting position of the background image*

**background-repeat** *the way the background image is repeated*

**background-size** *background image size*

**border** *sets all border properties in one line*

**border-bottom** *bottom border properties in one line*

**border-bottom-color** *color of the bottom border*

**border-bottom-left-radius** *border bottom left radius*

**border-bottom-right-radius** *border bottom right radius*

**border-bottom-style** *border bottom style*

**border-bottom-width** *border bottom width*

**border-collapse** *border collapse*

**border-color** *border color*

**border-image** *sets an image as border*

**border-image-outset** *border image area extends beyond the border box*

**border-image-repeat** *border image repeated, rounded or stretched*

**border-image-slice** *how to slice the border image*

**border-image-source** *path to the border image*

**border-image-width** *border image width*

**border-left** *left border properties in one line*

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

**border-left-style** *border left style*

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

**border-radius** *border radius of the four rounded corners*

**border-right** *right border properties in one line*

**border-right-color** *border right color*

**border-right-style***border right style*  
**border-right-width***border right width*  
**border-spacing***border spacing*  
**border-style***border style*  
**border-top***top border properties in one line*  
**border-top-color***border top color*  
**border-top-left-radius***border top left radius*  
**border-top-right-radius***border top right radius*  
**border-top-style***border top style*  
**border-top-width***border top width*  
**border-width***border width*  
**bottom***bottom offset for relative and absolute elements*  
**box-shadow***shadow to element*  
**box-sizing***box sizing properties*  
**caption-side***placement of a table caption*  
**clear***deny floating of an element*  
**clip***clip an absolutely positioned element*  
**color***text color*  
**column-count***divide the content in columns*  
**column-fill***balanced fill or not*  
**column-gap***gap between the columns*  
**column-rule***separator between columns, like border*  
**column-rule-color***column rule color*  
**column-rule-style***column rule style*  
**column-rule-width***column rule width*  
**column-span***column span*  
**column-width***column width*  
**columns***set column-width and column-count*  
**content***insert content :before and :after elements*  
**counter-increment***count sections*  
**counter-reset***reset counter*  
**cursor***cursor type when element is hovered*  
**direction***writing direction, Arabic is using rtl*  
**display***box display type*  
**empty-cells***hide borders and background on empty table cells*  
**filter***image effects: grayscale, blur, invert etc.*  
**flex***item length, relative to others inside the container*  
**flex-basis***initial length of a flexible item*  
**flex-direction***direction of the flexible items*  
**flex-flow***shorthand for flex-direction and flex-wrap*  
**flex-grow***how much the item will grow relative other items*  
**flex-shrink***how to shrink the item relative to other items*  
**flex-wrap***wrap flexible items*  
**float***float elements left or right*  
**font***all font properties in one line*  
**@font-face***declare non-web-safe fonts*  
**font-family***font of the element*  
**font-size***font size*  
**font-size-adjust***control font size if the first declared option is not available*  
**font-stretch***widen or narrow text*  
**font-style***font style: normal, italic, oblique*

**font-variant**set *small-caps*  
**font-weight**use *bold* or *thin* characters  
**hanging-punctuation**can a punctuation mark be placed outside the line box?  
**height**height of the element  
**justify-content**justifies flexible container's items horizontally if necessary  
**@keyframes**specifies the animation code  
**left**left offset for relative and absolute elements  
**letter-spacing**space between characters  
**line-height**line height of text or inline-block elements  
**list-style**all list properties in one line  
**list-style-image**replace the list item marker with an image  
**list-style-position**list item markers inside or outside the content flow  
**list-style-type**set the type of the list item marker  
**margin**set the top, right, bottom and left margins in one line  
**margin-bottom**bottom margin  
**margin-left**left margin  
**margin-right**right margin  
**margin-top**margin top  
**max-height**maximum height of element  
**max-width**maximum width of element  
**@media**see media queries  
**min-height**minimum height  
**min-width**minimum width  
**nav-down**where to navigate when the the arrow-down button is pressed  
**nav-index**sets sequential navigation order  
**nav-left**where to navigate when the the arrow-left button is pressed  
**nav-right**where to navigate when the the arrow-right button is pressed  
**nav-up**where to navigate when the the arrow-up button is pressed  
**opacity**transparency level of an element  
**order**reorder elements in a container  
**outline**draw an outer border around elements  
**outline-color**outline color  
**outline-offset**gap between the element and the outline  
**outline-style**outline style  
**outline-width**outline width  
**overflow**hide, display or scroll if the content overflows its container  
**overflow-x**horizontal overflow  
**overflow-y**vertical overflow  
**padding**padding between the element border and content  
**padding-bottom**padding bottom  
**padding-left**padding left  
**padding-right**padding right  
**padding-top**padding top  
**page-break-after**adds page break after an element  
**page-break-before**adds page break before an element  
**page-break-inside**allow page break inside an element  
**perspective**how many pixels the 3D element is placed from the view  
**perspective-origin**where is the 3D element based in the x- and y-axis  
**position**positioning type: absolute, fixed, relative, static  
**quotes**set quotation marks to wrap an element  
**resize**declare resizable elements

**right**right offset for relative and absolute elements  
**tab-size**tab character space length  
**table-layout**table layout algorithm  
**text-align**horizontal alignment of text  
**text-align-last**horizontal alignment of last line of text  
**text-decoration**overline, underline or line-through the text  
**text-indent**indentation of the first line of the text  
**text-overflow**the way how overflowed content is marked (ellipsis)  
**text-shadow**text shadow  
**text-transform**capitalization of text  
**top**top offset for relative and absolute elements  
**transform**2D 3D transformation. See `widget`.  
**transform-origin**changes the position of transformed elements  
**transform-style**render nested elements in 3D  
**transition**transition properties in one line  
**transition-delay**delay before transition effect start  
**transition-duration**transition effect duration  
**transition-property**which CSS property is the transition affecting  
**transition-timing-function**speed curve of the transition  
**unicode-bidi**should the text be overridden to support more languages  
**user-select**disable user content selection  
**vertical-align**vertical alignment  
**visibility**visibility: hidden elements leave a gap  
**white-space**how are white-spaces handled  
**width**width of an element  
**word-break**text breaking rules when text reaches the end of the container  
**word-spacing**size of white space between words  
**word-wrap**break long words and wrap onto the next line  
**z-index**stack order of the element

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## Reset CSS

```
html, body, div, span, applet, object, iframe, h1, h2, h3, h4, h5, h6, p, blockquote, pre, a,
abbr, acronym, address, big, cite, code, del, dfn, em, img, ins, kbd, q, s, samp, small, stri
ke, strong, sub, sup, tt, var, b, u, i, center, dl, dt, dd, ol, ul, li, fieldset, form, label, l
egend, table, caption, tbody, tfoot, thead, tr, th, td, article, aside, canvas, details, e
mbed, figure, figcaption, footer, header, hgroup, menu, nav, output, ruby, section, summ
ary, time, mark, audio, video { margin: 0; padding: 0; border: 0; font-size:
100%; font: inherit; vertical-align: baseline;}
article, aside, details, figcaption, figure, footer, header, hgroup, menu, nav, section
{ display: block;}
body { line-height: 1;}
ol, ul { list-style: none;}
blockquote, q { quotes: none;}
blockquote:before, blockquote:after, q:before, q:after { content: ''; content:
none;}
table { border-collapse: collapse; border-spacing: 0;}
```

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## Media Queries

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## Syntax

```
@media not|only mediatype and (media feature) {  
  CSS Code }
```

Link external file:

```
<link rel="stylesheet" media=mediatype and|not|only (media feature  
href="mystylesheet.css">
```

---

## Viewport is 480 pixels or smaller

```
@media screen and (max-width: 480px) { }
```

---

## Viewport width smaller OR height smaller

```
@media screen and (max-width: 600px), (max-height: 500px) { }
```

---

## Print style

```
@media print { ... }
```

---

## Night / dark mode

```
@media (prefers-color-scheme: dark) { ... }
```

---

## Media types

all, print, screen, speech

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## Media features

**width***viewport width*

**height***viewport height*

**orientation***orientation of the viewport*

**aspect-ratio***ratio between width & height*

**color***number of bits per color*

**color-index***number of displayable colors*

**monochrome***color on greyscale device*

**resolution***resolution of the device*

**scan***scanning process of the device*

**grid***device is a grid or bitmap*