

HTML CheatSheet

Tags

Div Section

```
<div>Block element</div>
```

Headings

```
<h1>Page title</h1>
<h2>Subheading</h2>
<h3>Tertiary heading</h3>
<h4>Quaternary heading</h4>
```

Paragraph

```
<p style="text-align: center;">text</p>
```

Image

```

```

Outbound Link

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```
<a href="https://htmlg.com/" target="_blank" rel="nofollow">Click here</a>
```

Mailto link

```
<a href="mailto:me@ruwix.com?Subject=Hi%20mate" target="_top">Send Mail</a>
```

Inner anchor (jump on page)

```
<a href="#footer">Jump to footnote</a>
<br />
<a name="footer"></a>Footnote content
```

Bold text

```
<strong>Bold text</strong>
```

Italic text

```
<em>Italic text</em>
```

Underlined text

```
<span style="text-decoration: underline;">Underlined text</span>
```

Iframe

```
<iframe src="link.html" width="200" height="200">
</iframe>
```

Abbreviation

```
<abbr title="Hypertext Markup Language">HTML</abbr>
```

Comment

```
<!-- HTML
```

Comment -->

Horizontal Line

<hr />

Line break

Quotation

<q>Success is a journey not a destination.</q>
<blockquote cite="https://ruwix.com/">
The Rubik's Cube is the World's best selling puzzle toy.
</blockquote>

Video

```
<video width="200" height="150" controls>
    <source src="vid.mp4" type="video/mp4">
    <source src="vid.ogg" type="video/ogg">
        No video support.
</video>
```

Audio

```
<audio controls>
    <source src="sound.ogg" type="audio/ogg">
    <source src="sound.mp3" type="audio/mpeg">
        No audio support.
</audio>
```

Structures

Table

```
<table><caption>Phone numbers</caption>
<thead>
    <tr>
        <th>Name</th>
        <th colspan="2">Phone</th>
    </tr>
</thead>
<tbody>
    <tr>
        <td>John</td>
        <td>577854</td>
        <td>577855</td>
    </tr>
    <tr>
        <td>Jack</td>
        <td>577856</td>
        <td>577857</td>
    </tr>
</tbody>
<tfoot>
    <tr>
        <td>&nbsp;</td>
    </tr>
</tfoot>
```

```
<td>Personal</td>
<td>Office</td>
</tr>
</tfoot>
</table>
```

Unordered list

```
<ul>
<li>First</li>
<li>Second</li>
<li>Third</li>
</ul>
```

Definition list

```
<dl>
<dt>HTML</dt>
<dd>Hypertext Markup Language</dd>
<dt>CSS</dt>
<dd>Cascading Style Sheets </dd>
</dl>
```

Form

```
<form action="/action.php" method="post">
    Name: <input name="name" type="text" /> <br />
    Age: <input max="99" min="1" name="age" step="1" type="number" value="18" /> <br />
    <select name="gender">
        <option selected="selected" value="male">Male</option>
        <option value="female">Female</option>
    </select><br />
    <input checked="checked" name="newsletter" type="radio" value="daily" />
    Daily <input name="newsletter" type="radio" value="weekly" /> Weekly<br />
    <textarea cols="20" name="comments" rows="5">Comment</textarea><br />
    <label><input name="terms" type="checkbox" value="tandc" />Accept
    terms</label> <br />
    <input type="submit" value="Submit" />
</form>
```

?  

Attributes

SYNTAX

```
<tag attributename="value" />
- lowercase attributes, quote values
```

Global attributes

accesskey, class, contenteditable, data-* , dir, draggable, hidden, id, lang, spellcheck, style, tabindex, title
`<div id="demo" class="big" dir="ltr" lang="en"
style="color: red;" tabindex="0" title="Tooltip"
contenteditable="true" spellcheck="true"
data-htmlcheat="99">Hello World!</div>`

Internationalization: dir, lang, xml:lang

```
<html lang="en-US">
...
    <p dir="rtl">Right to left (Arabic)</p>
...
</html>
```

Link: download, href, hreflang, media, rel, target, type

```
<a href="https://htmlg.com/" target="_blank" rel="external" hreflang="en"
type="text/html">
    Link
</a>
```

Image: src, alt, height, ismap, longdesc, src, srcset, usemap, width

```

```

HTML5 Page Structure

header, nav, main, article, section, aside, footer, address

```
<header>
    <div id="logo">HTML</div>
    <nav>
        <ul>
            <li><a href="/">Home</a>
            <li><a href="/link">Page</a>
        </ul>
    </nav>
</header>
<main role="main">
    <article>
        <h2>Title 1</h2>
        <p>Content 1</p>
    </article>
    <article>
        <h2>Title 2</h2>
        <p>Content 2</p>
    </article>
</main>
<section>
    A group of related content
</section>
<aside>
    Sidebar
</aside>
<footer>
    <p>&copy; HTML CheatSheet</p>
    <address>
        Contact <a href="mailto:me@gmail.com">me</a>
    </address>
</footer>
```

CSS CheatSheet

Basics

Syntax

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

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; }
```

Box model



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

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

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

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
`borders` 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-images 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-cell *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 arrow-down button is pressed*
nav-index *sets sequential navigation order*
nav-left *where to navigate when the arrow-left button is pressed*
nav-right *where to navigate when the arrow-right button is pressed*
nav-up *where to navigate when 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
resized 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