

HTML Most Important Tags Cheatsheet

<meta>

- · Represents information about any other data
- · Placed in the <head> of the document.
- · It is not displayed on the webpage.
- · Help in SEO.
- · But it's displayed during google search.
- Describe the content of the page.

<!DOCTYPE html>

- · Represents the version of the HTML docs.
- · It represents the version 5 of HTML.
- Always placed on the top of the HTML docs.

<header>

- · Used to define header of the article.
- · Repesents the intro of the content.
- · It can't be place in other heading tags.
- · Like footer, etc.
- Multiple header can be in a HTML docs.

<main>

- · It represents the main content of the page.
- · Helps fo find the main content of the page.
- · It can't be use more than one in a page.
- Helps in SEO & for developers as well.

<nav>

- · It represents the collection of links.
- All navigation links will be placed inside nav tag.
- · Not necessary to wrap all links but for header.

<article>

- · It represents the self container.
- · It can be multiple in a document.
- · Just like an article of the newspaper.

- · It represents the pre formatted text.
- Input is equal to output.

(cite)

- · Represents the identity of the content.
- · Define the identity of the work.
- · It displayed in italic form.

<details>

- · An user can be open and hide to see the elem.
- · Define the details of the <summary> tag.
- Create an interactive widget to see the content.

section>

To exit full screen, press and

- Multiple section can be in a document.
- · because arround make a mediumy.
- A page can be divided into sections.
- Distribute the content into many sections.

<head>

- · Container of the meta data.
- Means data about data.
- · It is not displayed.
- Contains all info about the content of the docs.

<abbr>

- · Define the short form of an element.
- · You should you "title" attribute in this tag.
- · Displayed in a tooltip.

<mark>

- It's used to highlight the text.
- Defult background is yellow & text is white.
- But you can change using selecting this elem.

<address>

- · Defines the contact information of the owner.
- · Like email, name, phone, etc.
- · Contact information of the document.

<footer>

- · Define the footer of the page.
- · Contains information about the author.
- · Or, contains copyright, links, etc.

<aside>

- Indirect information about the main docs.
- Generally placed aside from the main content.

(code)

- · Represents computer code.
- · Default font family is monospace.

«select»

- · It is use to create dropdown menu.
- Multiple <option> tags can be inside this elem.
- · We can also use <label> tag before select elem

(summary)

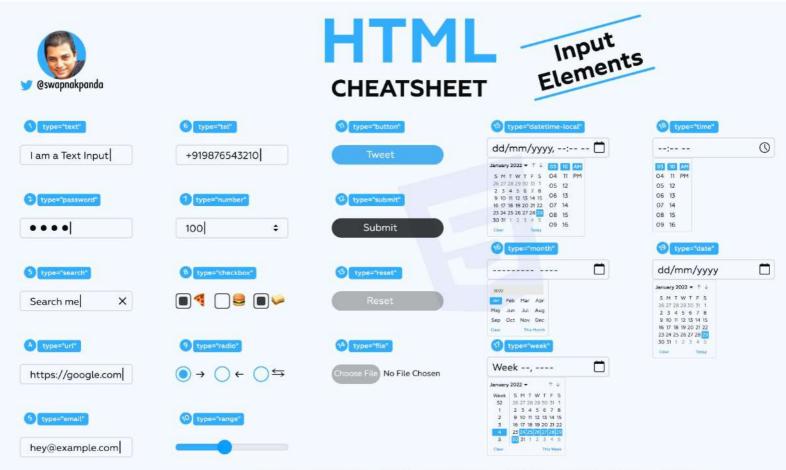
- Defines a summary for details content.
- · This element kept inside the <details> tag.
- Used to create toggle in open & hide state.



Chapter Summary

- All HTML elements can have attributes
- The href attribute of <a> specifies the URL of the page the link goes to
- The src attribute of specifies the path to the image to be displayed
- The width and height attributes of provide size information for images
- The alt attribute of provides an alternate text for an image
- The style attribute is used to add styles to an element, such as color, font, size, and more
- The lang attribute of the <html> tag declares the language of the Web page
- The title attribute defines some extra information about an element

id	Specifies a unique identifier for an element	class	Specifies one or more class names for styling or JavaScript selection
style	Specifies inline CSS styles for an element	src	Specifies the URL of the resource (used in , <script>, etc.)</td></tr><tr><td>href</td><td>Specifies the URL of the linked resource (used in <a>, <link>, etc.)</td><td>alt</td><td>Specifies alternative text for images</td></tr><tr><td>title</td><td>Specifies extra information about an element (often shown as a tooltip)</td><td>type</td><td>Specifies the type of an element (used in <input>, <script>, etc.)</td></tr><tr><td>name</td><td>Specifies the name of a form control</td><td>value</td><td>Specifies the value of a form control</td></tr><tr><td>placeholder</td><td>Specifies a hint that describes the expected value of an input field</td><td>required</td><td>Specifies that an input field must be filled out before submitting the form</td></tr><tr><td>disabled</td><td>Specifies that an input element should be disabled</td><td>checked</td><td>Specifies that an input element should be pre-selected when the page loads (for radio buttons and checkboxes)</td></tr><tr><td>selected</td><td>Specifies that an option in a drop-down list should be pre- selected when the page loads</td><td>readonly</td><td>Specifies that an input field is read-only</td></tr><tr><td>target</td><td>Specifies where to open the linked document (used in <a>, <form>, etc.)</td><td>rel</td><td>Specifies the relationship between the current document and the linked document</td></tr><tr><td>data-*</td><td>Used to store custom data private to the page or application</td><td>aria-label</td><td>Provides a label for objects that can be read by assistive technology</td></tr></tbody></table></script>



Take prior permission before using it for commercial purposes. Attribution is required for all pan-commercial uses

	HTML Elements	
Main Root	Text Content	Image & Multimedia
TELEVISION .		
- html	⇒ blockquote¬ dd	→ area (void) → audio
Document Meta Data	- do - div	- ing (void)
	- dl	→ Map
C. SECTION D. CONTROL	- dt	 track (void)
→ base (void) → head	→ figcaption → figure	→ video
- head - link (void)	- figure - hr (void)	Forms
- meta (void)	- ii	USE NEW YORK
→ style	→ menu	
- title	- ol	→ button
and the same	₹ P	→ datalist
Sectioning Root	→ pre → ul	→ fieldset → form
	- 00	→ input (void)
- body	Inline Text Semantics	→ label
		→ legend
Content Sectioning		→ meter
Andrew Control of the	⊸ à ⊸ abbr	 optgroup option
→ address	- pp:	→ option → output
→ article	- bd1	→ progress
- aside	→ bdo	→ select
- footer	- br (void)	→ textarea
- header	- cite	THE RESIDENCE OF THE PROPERTY
- h1 - h2	- code - data	Embedded Content
- n2 - h3	- data - dfn	
- h4	⊸ eπ	→ embed (void)
→ h5	9-1	+ 1frame
- h6	- kbd	- object
- main	- mark	• picture
→ nav → section	→ q → rp	→ portal → source (void)
- 32001011	5 7	- 300105 (0010)
Table Content	- ruby	
	- s	Demarcating Edits
	→ samp	
- caption - col (void)	→ small → span	→ del
- colgroup	— span → strong	→ ins
- table	⊸ sub	
- thody	- sup	Scripting
- td	- time	
- tfoot	- W	
- th - thead	- var - wbr (void)	→ canvas → noscript
- tr		→ script
	Interactive Elements	
Web Components		Foreign Elements
	→ details	
- slot	- dialog	• svg
- template	→ summary	- math

...

. . | HTML Elements Category (inline/block-level) | inline elements block-level elements → progress → sub → q → sup → cite → input → address → figcaption → hgroup -- code -- ins
-- data -- kbd
-- datalist -- label
-- del -- map
-- dfn -- mark → q → ruby → hr → li → main → nav → figure abbr → code → article → aside acronym → data ⊸ svg → footer → s → samp → script → template
→ textarea
→ time → blockquote → form
→ details → hl
→ dialog → h2 audio bdi - dd -iv -- em -- meter -- select
-- embed -- noscript -- slot
-- i -- object -- small
-- iframe -- output -- span
-- img -- picture -- strong → em → h3 → h4 → h5 → h6 bdo - p div = h4

div = h5

dt = h6

fieldset = header ⊣ big → pre ⇒ i ⇒ iframe → var → video br section button **⊣** table → img → wbr ⊣ ul canvas

3.1 Basic CSS syntax

Learning outcomes:

- The purpose of CSS style, layout, and provide other visual enhancements to web pages (such as animation).
- · Key CSS syntax:
 - · Rules.
 - · Selectors.
 - Declarations.
 - Properties (including custom properties).
 - Values (including shorthand values).
 - At-rules and descriptors.
- Default browser styles understand that the browser provides default CSS styling to HTML elements so that it is in some way usable even with no user-defined styles at all:
 - Understand also therefore that HTML has nothing to do with styling.
 - Use this to reinforce the idea of separating semantics and structure (semantic HTML)
 from presentation (CSS), and not using presentational markup.
 - Study CSS resets, first to prove that browser styles exist and show what a page looks
 like when they are removed, but also as a technique for providing a blank canvas for
 developers to build styles on top of.
- Applying CSS to an HTML document inline styles, internal stylesheets, external

CSS SELECTORS

css selectors are used to select element so that we can style them.

```
· example // selects all elements
              with example class
# id
        // selects the element
            with id="id"
  h1 // selects all h1 element
  P. class // selects all p elements
             with class = "class"
 div, p // selects all div and
             p elements
 div > h2 // selects all h2
             element whose
             parent is div
  p~ul
         // selects all ul that
             are preceded by P.
```

```
[target] = selects every element-
with target attribule

[target = _parent] // selects every
element with
att target = _parent"

[title = | Pratham ] // selects every
element with title
att. containing word

"Pratham"

[href = _nttps"] // selects every element
whose href starting
with https

[href $ = _ng"] // ends with. png
```

```
:not(h1) // selects every element
that is not h1
: root // Selects the Jacument
rools elements
```

P: nth-child(2) // second child of its

parent

P: nth-of-typ(2) // selects every p element

ie, second p element

of its parent

P: only-child // selects p thats only child

CSS PSEUDO CLASSES.

Selector

: active

checked

enabled

empty

first-child

: first-of-type

: focus

nover

in-range

not (selector)

nth-child

only-of-type

optional

Escample

a: active

input: checked input: enabled

p: empty

p: first-child

p: first-of-type

input : focus

a: hover

input: in-range

: not(p)

p: nth-child(2)

p: only- of- type

input: optional

Description.

Selects the active link

selects every checked in put element.

selects every enabled input element

selects every p elements that has

no children. selects every p elements that is

the first child of its parent.

selects every p element that is the

first p element of its parent.

selects the input element that has focus.

selects a on mouse over.

selects input elements with a value

within a specified range.

selects all element ex except p.

selects every p elements that is

second child of ili parent.

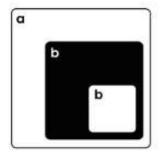
Selects every p elements that is the

only p element of its parent.

Selects input element with no required attribute.

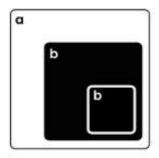
THE REAL PROPERTY.

C55 Selectors



a>b Child Combinator

Select all *b* elements that are directly inside of *a* elements.

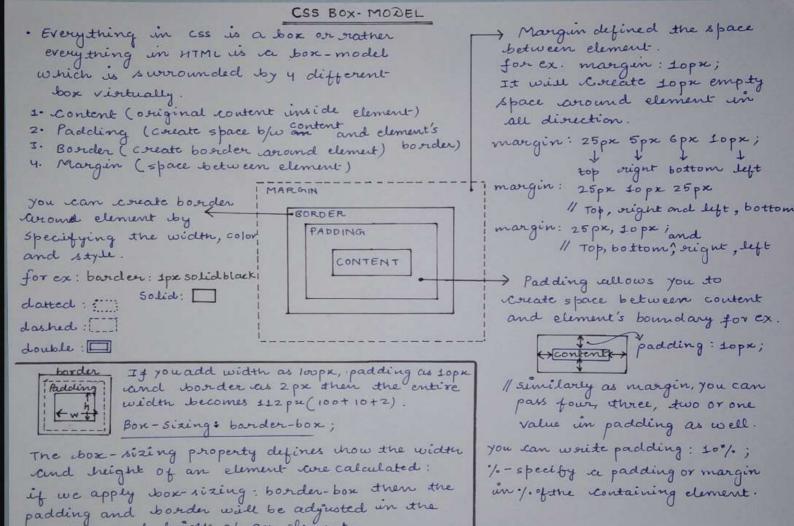


a b Descendent Combinator

Select all *b* elements that are anywhere inside of *a* elements.

a	þ	b	a+b	Adjacent sibling combinator	Select all <i>b</i> elements that are immediately next to <i>a</i> elements.
a	þ	b	a ~ b	General sibling combinator	Select all <i>b</i> elements that are anywhere after <i>a</i> elements.
a	a .cl	b .cl	.cl	Class selector	Select all elements that have the <i>cl</i> class name.
a	a .cl	b ,cl	a.cl	Tag + Class selector	Select all a elements that have the cl class name.
a	a .eff	b .cl1.cl2	.cl1.cl2	Multiclass selector	Select all elements that have both the <i>cl1</i> and <i>cl2</i> class names.
a	a x=y	a x=z	a[x=y]	Attribute selector	Select all a elements that have the x attribute set to y.
a #id1	a #id2	a #id3	#id1	ID selector	Select the element with the <i>id1</i> ID name.
a	b	С	*	Universal selector	Select all elements.

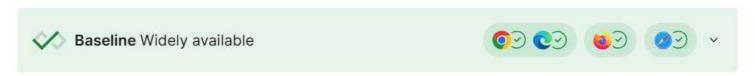




PRATHAM :

width and height of an element.

box-sizing



The box-sizing CSS property sets how the total width and height of an element is calculated.

Try it



CSS Box Model Properties and Values

. .

→ border-bottom-color → border-left-color → border-right-color → border-top-color → <color> → width</color>	→ border-bottom-style → border-left-style → border-right-style → border-top-style → none → hidden → dashed → dashed	→ border-bottom-width → border-left-width → border-right-width → border-top-width → → cline-width> → thin → medium → thick → thick	→ margin-bottom → margin-left → margin-right → margin-top → <length> → epercentage> → auto </length>
→ wcurn → height → <length> → outo → max-content → min-content → fit-content()</length>		+ box-sizing → content-box → border-box	→ padding-bottom → padding-left → padding-right → padding-top → <length> → <percentage> </percentage></length>
→ border-bottom (shorthand) → border-bottom-color → border-bottom-style → border-bottom-width	→ border-left (shorthand) → border-left-color → border-left-style → border-left-width	→ border-right (shorthand) → border-right-color → border-right-style → border-right-width	→ border-top (shorthand) → border-top-color → border-top-style → border-top-width
→ border (shorthand) → border-color → border-style → border-width	→ border-color (shorthand) → border-bottom-color → border-left-color → border-right-color → border-top-color	→ border-style (shorthand) → border-bottom-style → border-left-style → border-right-style → border-top-style	→ border-width (shorthand) → border-bottom-width → border-left-width → border-right-width → border-top-style
	→ margin (shorthand) → margin-bottom → margin-left → margin-right → margin-top	→ padding (shorthand) → padding-bottom → padding-left → padding-right → padding-top	

3.4 Handling conflicts in CSS

Learning outcomes:

- Understand how rules can conflict in CSS.
- Inheritance.
- The cascade.
- The concepts that govern the outcome of CSS conflicts:
 - · Specificity.
 - · Source order.
 - · Importance.

CSS units

unit	Name	Equivalent	unit	Ducsiption
px	pixel	1 px = 1/96th of 1 in	em	Font size of parent, in the case of typographical prop
cm	Centimeters	1cm = 38 px		lik font-size, and font size of the element itself, in the
mm	millimeters	$1mm = \frac{1}{10} cm$		case of other properties.
a		imeter 1 Q = 1 cm	ex	X- height of the element's font.
in	Inches	1 in = 2.54cm	ch	The advance measure (width) of the glyph "o" of element's
pc	Picas	$1 pc = \frac{1}{6}$ in		font.
,			rem	font size of the proot element
pt	Paints	$Ipt = \frac{1}{+2} in.$	Lh	line height of the element.
			νω	viewport's width
			vh	viewport's height
			Vmin	1% of the viewpoort's smaller dimensions.
			1 Vmax	1% of the viewpood's
@prathkum	_			larger dimension.

3.6 Sizing

Learning outcomes:

- · Intrinsic size.
- · Setting absolute and percentage sizes.
- min-/max-width and min-/max-height.
- · Viewport units.

Resources:

- M Sizing items in CSS
- M Handling different text directions > Logical properties

CSS BACKGROUND

background

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

background-color

color | transparent

background-image

url | gradients | none

background-repeat

no-repeat | repeat |
repeat-x | repeat-y

background-attachment

no-repeat | repeat | repeat-x | repeat-y

background-position

top right | left center |
bottom center top left |
right center | bottom right
top center | center center |
bottom left

background-size

cover | auto | contain |
length

BACKGROUND SHORTHAND

Traditional way

background-color: #ffffff;
background-image: url("img_tree.png")
background-repeat: no-repeat;
background-position: right top;

Shorthand property



CSS BORDER CHEATSHEET

border

```
border-width
border-style
border-color
```

border-width

```
border-width: thin;
border-width: medium;
border-width: thick;
border-width: 2px; //length
```

border-style

```
border-style:
               none;
border-style:
               hidden;
border-style:
               dotted;
               dashed;
border-style:
border-style:
               solid;
border-style:
               double;
border-style:
               groove;
border-style:
               ridge;
               inset;
border-style:
border-style:
               outset;
```

border-color

border-color: red; //color



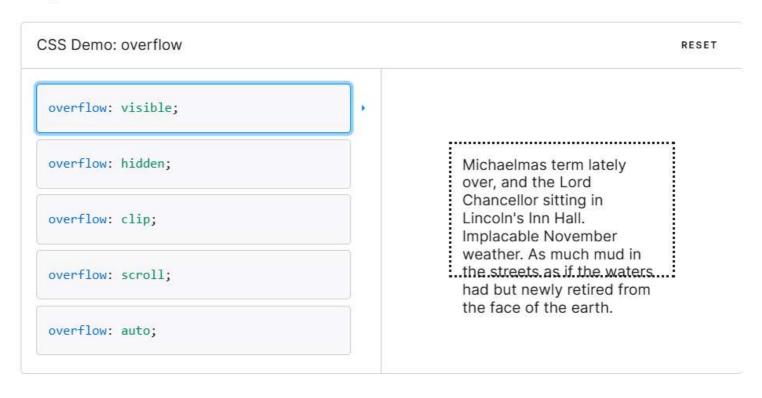
barder-style

Solid Displays a single straight solid line	Aisplays the border with Carved appearance
Dashed Displays the small square of same length.	Ridge Displays the border with an extruded appearance
Dotted Displays a series of rounded dots.	Inset makes the element appear embedded.
Displays two straight line	Outset Displays a border that makes element appear embossed.

overflow

The overflow CSS shorthand property sets the desired behavior when content does not fit in the element's padding box (overflows) in the horizontal and/or vertical direction.

Try it



3.9 Styling form elements

Learning outcomes:

- Basic styling of easy-to-style form elements, like <input type="text">.
- Using CSS resets to overcome <input> font styling inheritance and box styling default differences.
- · Understand that not all form elements are easy to style, and why:
 - System styles are applied to some form elements, making consistent styling difficult across browsers.
 - More complex form elements have internal (shadow DOM) elements that define the structure of their inner workings. These are often impossible to access and style individually.
- Using appearance: none to work around system styling for <input> types like search, checkbox
 and radio.
- Mitigating issues with difficult-to-style types such as datetime-local, color, etc.

Notes:

Conforming to this curriculum module doesn't require having foolproof, conclusive answers to every possible form styling problem. Some form elements are difficult to style, as the resources make clear. However, you should at least be able to handle a wide range of form styling needs and understand the issues around some of the more difficult styling issues.

3.10 Debugging CSS

Learning outcomes:

- Use the <u>HTML validator</u>

 it to see if you have any invalid markup on your page this could be causing your CSS to not apply as desired.
- Use the <u>CSS validator</u>

 is to check for badly-formed CSS code. A missing semi-colon can cause a whole section of CSS declarations to not apply.
- Use browser developer tools to inspect the CSS that is applied to HTML elements on a page.
- Modify the applied CSS to figure out what changes are needed to get what you want. This
 includes enabling and disabling declarations, modifying values, and adding new declarations.
- Use layout inspection tools to inspect the box model, grids, flexbox, and other layout features (see also <u>CSS Layout</u>).
- Use responsive design mode tools to check responsive layouts (see also <u>5.5 Responsive</u> design specifics).

Resources:

- M Debugging CSS
- M Handling common HTML and CSS problems
- Firefox > Examine and edit CSS ☑, Firefox Source Docs
- M Firefox > Responsive design mode ☑, Firefox Source Docs
- M Observe 18:00 and abserve 000 a development and

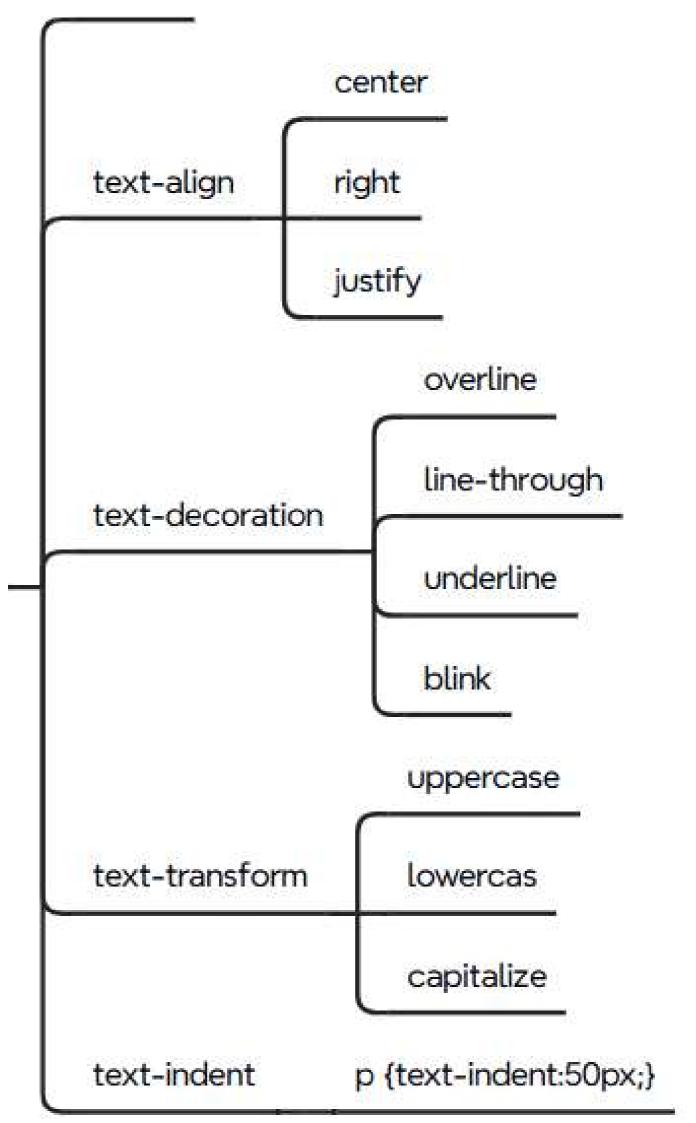
4.1 Text and font styling

Learning outcomes:

- color.
- · Font family, font stacks, web safe fonts.
- font-size, font-weight, and font-style.
- text-align, text-transform, and text-decoration.
- text-shadow.
- line-height.

Notes:

There are several other font and text styling properties, and students should be encouraged to explore more of them as part of their constant learning.



CSS FONT PROPERTIES

font

```
font-family
font-style
font-weight
font-size
```

font-family

```
font-family: "Gill Sans", sans-serif;
```

font-style

```
font-style: normal;
font-style: italic;
font-style: oblique;
```

font-weight

```
font-weight: normal; //Default
font-weight: bold;
font-weight: bolder;
font-weight: lighter;
font-weight: 100 | 200 | 400; //Value
```

font-size

font-size: 24px; //length



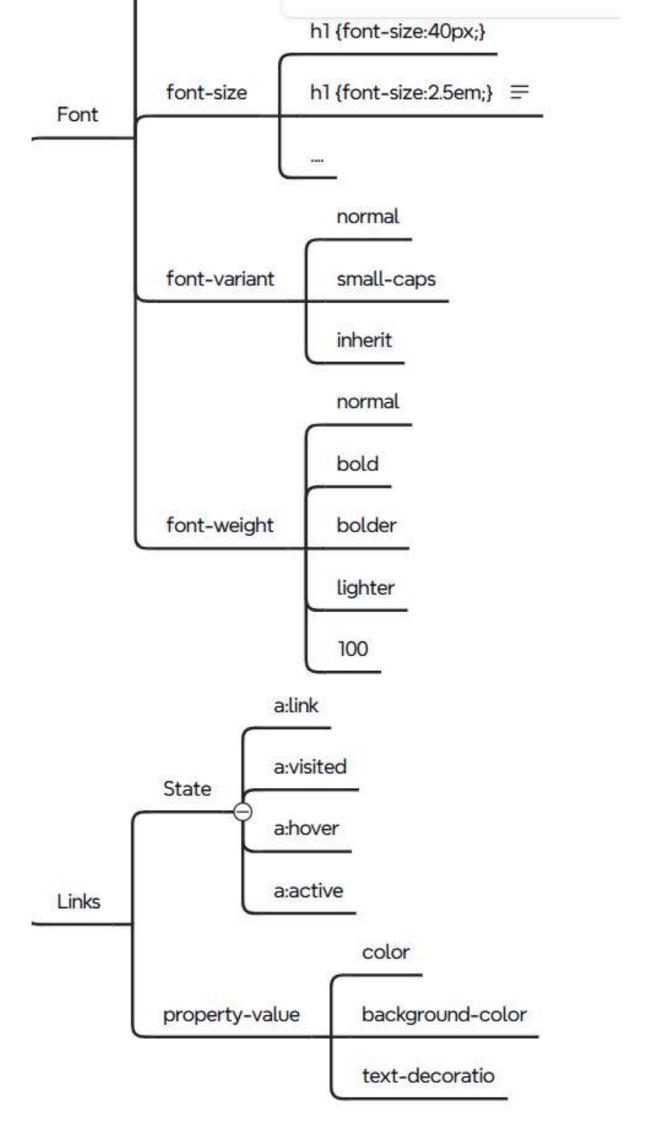
4.2 Styling lists and links

Learning outcomes:

- Spacing list items, for example, with margin or line-height.
- list-style properties.
- Understand why default link styles are important for usability on the web they are familiar and help users recognize links.
- Styling link states: :hover , :focus , :visited , and :active :
 - · Understand why these are necessary for usability and accessibility.
- · Creating a navigation menu with lists and links.

Resources:

- M Styling lists
- M Styling links



4.3 Web fonts

Learning outcomes:

- Understand that web fonts allow developers to go beyond the web safe font set and use custom fonts on their web apps.
- Basic setup the @font-face at-rule, and font-family and src descriptors.
- Using a web font with the font-family property.
- Other descriptors font-weight, font-style, etc.
- Using an online service to find web fonts and generate web font code, for example, <u>Font</u>
 <u>Squirrel</u> ☑ and <u>Google Fonts</u> ☑.
- Usability implications of web fonts using several of them can increase page download size.

display



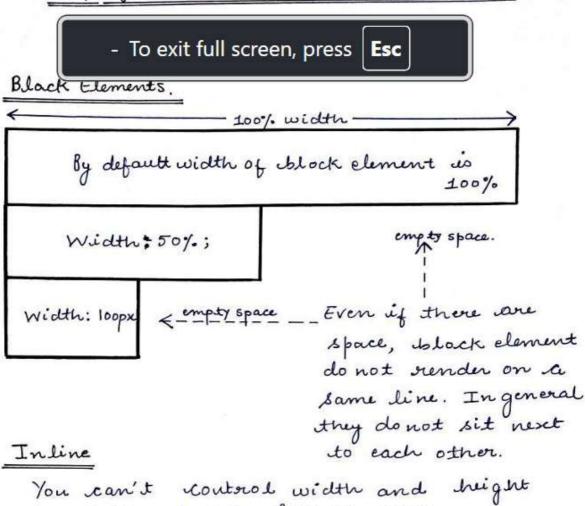
The display <u>CSS</u> property sets whether an element is treated as a <u>block or inline box</u> and the layout used for its children, such as <u>flow layout</u>, <u>grid</u> or <u>flex</u>.

Formally, the <code>display</code> property sets an element's inner and outer display types. The outer type sets an element's participation in <u>flow layout</u>; the inner type sets the layout of children. Some values of <code>display</code> are fully defined in their own individual specifications; for example the detail of what happens when <code>display</code>: <code>flex</code> is declared is defined in the CSS Flexible Box Model specification.

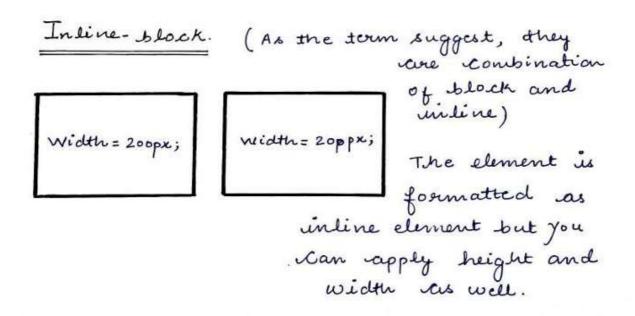
Try it



Display: Block, inline and inline-black.



of unline element. for ex. span.



5.1 CSS layout basics

Learning outcomes:

- · Understand that normal flow is the default way a browser lays out block and inline content.
- Properties such as display, float, and position are intended to change how the browser lays
 out content.

Resources:

- M Introduction to CSS layout
- M Normal flow

5.2 Floats

Learning outcomes:

- Understand the purpose of floats for floating images inside columns of text, or possibly other fun techniques like drop caps and floating inset information boxes.
- Understand that floats used to be used for multiple-column layouts, but this is no longer the
 case now better tools are available (see <u>5.4 Modern layout</u> for details).
- Using the float property to create floats.
- Clearing floats using clear, and the display: flow-root value.

Resources:

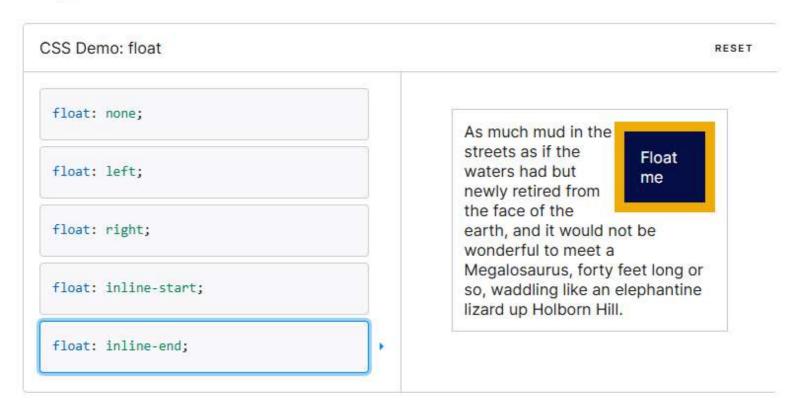
- M Floats
- M All About FLoats ☑, CSS-Tricks (2021)

float



The float <u>CSS</u> property places an element on the left or right side of its container, allowing text and inline elements to wrap around it. The element is removed from the normal flow of the page, though still remaining a part of the flow (in contrast to <u>absolute positioning</u>).

Try it



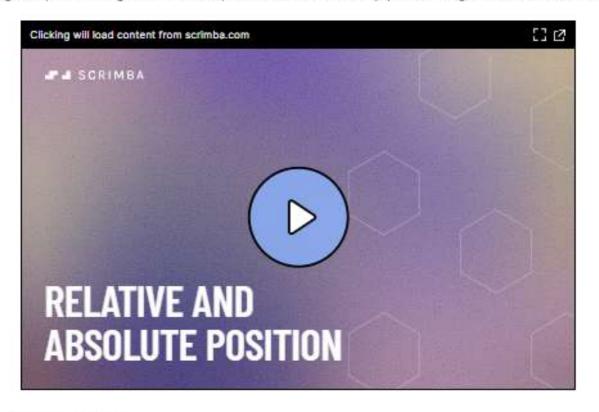
A floating element is one where the computed value of float is not none.

As float implies the use of the block layout, it modifies the computed value of the display values, in some cases:

5.3 Positioning

Learning outcomes:

- Understand that static positioning is the default way elements are positioned on the page.
- Relative positioning:
 - Understand that relatively positioned elements remain in the normal flow.
 - Final layout position can be modified using the top, bottom, left, and right properties.
- Absolute positioning:
 - Absolute (and fixed/sticky) positioning takes elements completely out of the normal flow to sit in a separate layer.
 - top, bottom, left, right, and inset have different effects on absolutely-positioned elements than on relatively-positioned ones.
 - Setting the positioning context of a positioned element by positioning an ancestor element.



- Fixed and sticky positioning:
 - Understand how these differ from absolute positioning.
- Understand what z-index is, and how to control the stacking of positioned elements with the z-index property.

Resources:

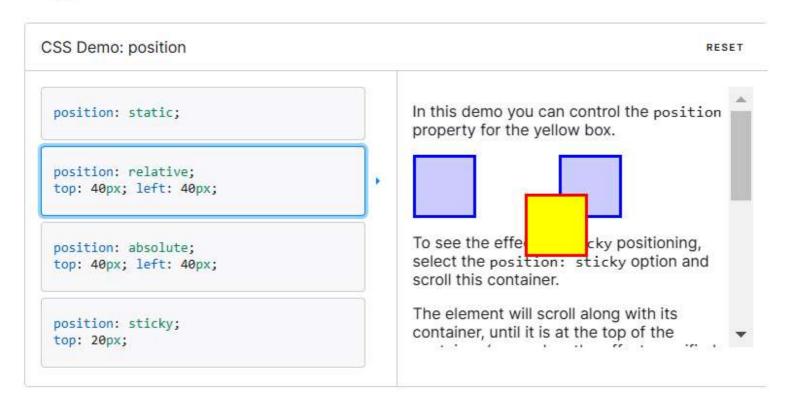
- M Positioning
- M Aside: Position: relative & absolute 12, Scrimba course PARTHER
- /// Stacking context

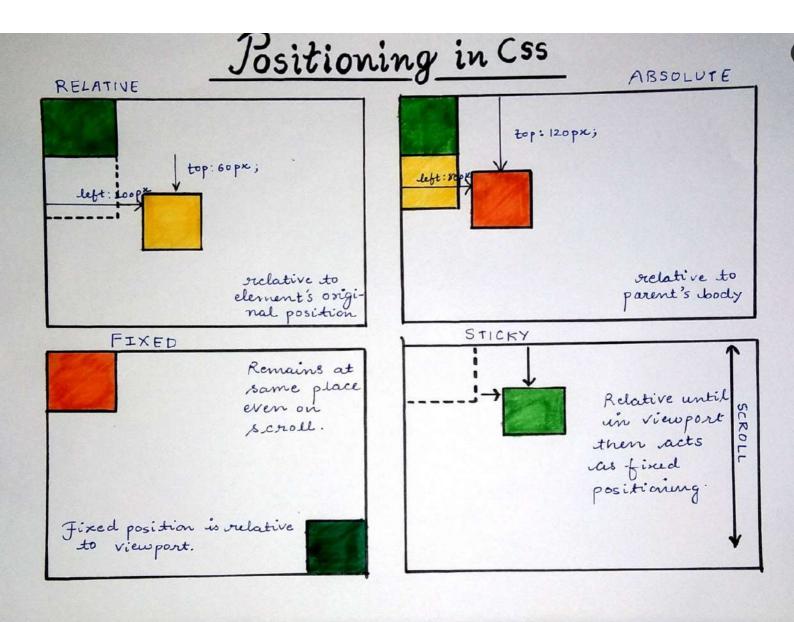
position



The position <u>CSS</u> property sets how an element is positioned in a document. The <u>top</u>, <u>right</u>, <u>bottom</u>, and <u>left</u> properties determine the final location of positioned elements.

Try it





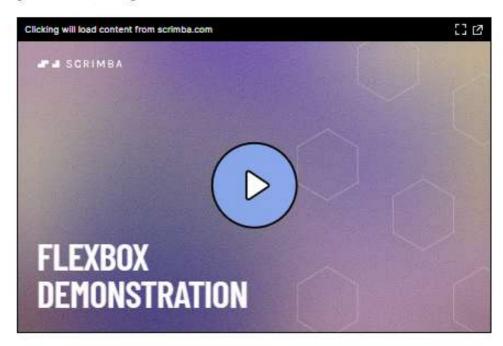
5.4 Modern layout

Learning outcomes:

- · In general, gain an understanding of modern CSS layout techniques.
- Understand that, for basic placement tasks, the below tools could be overkill. Learn simple oldschool techniques and where they are still effective:
 - · Margins and padding for spacing.
 - Auto margins for horizontal centering tasks (e.g. margin: 0 auto).

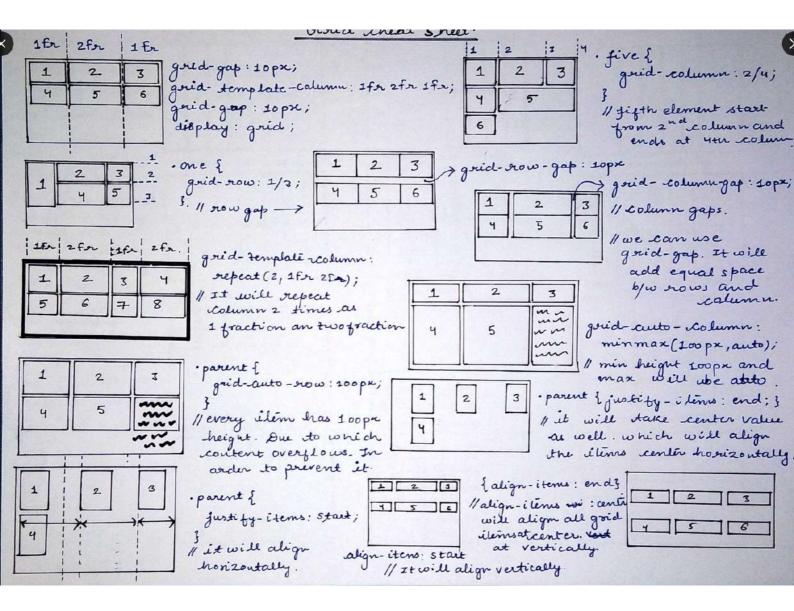
Flexbox:

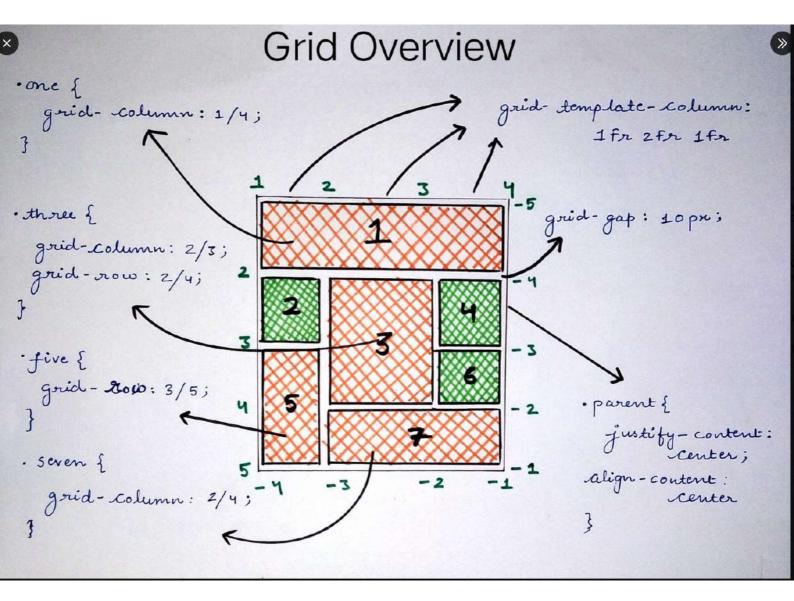
- Understand the purpose of flexbox flexibly lay out a set of block or inline elements in one dimension
 - See We have a problem that flexbox can fix ≥ by Scrimba Course Partner for a use case example.
- Understand flex terminology flex container, flex item, main axis, and cross axis.
- display: flex, and what it gives you by default.
- · Rows and columns, and how to wrap content onto new rows and columns.
- · Flexible sizing of flex items.
- · Justifying and aligning content.
- Adjusting flex item ordering.



· CSS Grid:

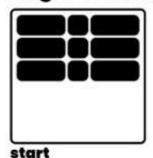
- Understand the purpose of CSS Grid flexibly lay out a set of block or inline elements in two dimensions.
- Understand grid terminology rows, columns, gaps, and gutters.
- display: grid, and what it gives you by default.
- Defining grid rows and columns:
 - · The fr unit.



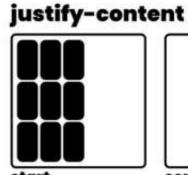


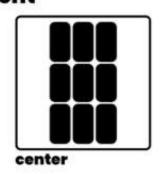
CSS Grid Layout

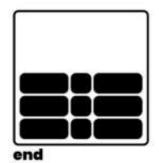
align-content

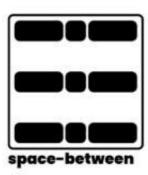


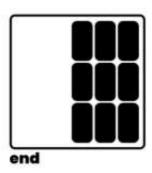
center

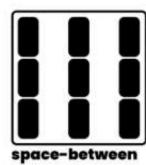




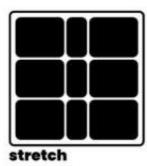


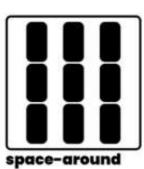


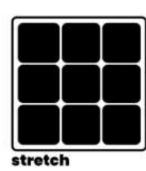




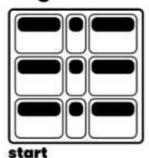


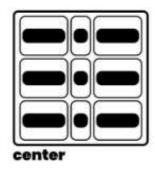


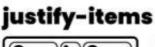


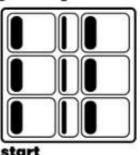


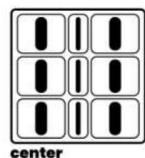
align-items

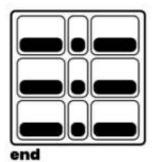




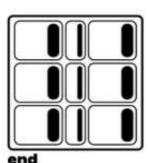


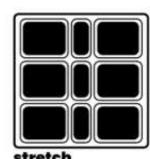












CSS Grid Layout Properties and Values

#	gr	id-temp	late-co	Lumns
	-	none		

- [linename]
- <length>
- → <percentage>
- → <flex>
- → minmax()
- → fit-content()
- → repeat()
- max-content
- → min-content
- → auto

grid-auto-columns

- → <length>
- → <percentage>
- → max-content
- min-content
- minmax()
- fit-content()
- → auto

grid-row-start

- → auto
- → <integer>
- → <custom-ident>
- → <custom-ident> <integer>
- → span <integer>
- → span <custom-ident>

grid-column-start

- → auto
- <integer>
- <custom-ident>
- → <custom-ident> <integer>
- → span <integer>
- → span <custom-ident>
- → span <custom-ident> <integer> → span <custom-ident> <integer>

column-gap

- → normal
- → <length>
- → <percentage>

- → grid-template-rows
 - → none
 - [linename]
 - <length>
 - → <percentage>
 - → <flex>
 - → minmax()
 - → fit-content()
 - → repeat()
 - → max-content
 - → min-content
 - → auto

→ grid-auto-rows

- → <length>
- → <percentage>
- → max-content
- → min-content
- → minmax()
- → fit-content()
- → auto

→ grid-row-end

- → auto
- → <integer>
- → <custom-ident>
- → <custom-ident> <integer>
- → span <integer>
- → span <custom-ident>
- → span <custom-ident> <integer> → span <custom-ident> <integer>

→ grid-column-end

- → auto

 → <integer>

 → <custom-ident>

 → <custom-ident> <integer>

 → span <integer>

 → span <custom-ident>

→ row-gap

- → normal
- → <length>
- → <percentage>

- → grid-template-areas
 - → none
 - → <string>+

→ grid-template (shorthand)

- → grid-template-rows

→ grid (shorthand)

- → grid-auto-columns
- → grid-auto-rows
- → grid-auto-flow
- → grid-template-columns
- → grid-template-rows
- → grid-template-areas

→ grid-auto-flow

- row
 column
- → dense

→ grid-row (shorthand)

- → grid-row-start
- → grid-row-end

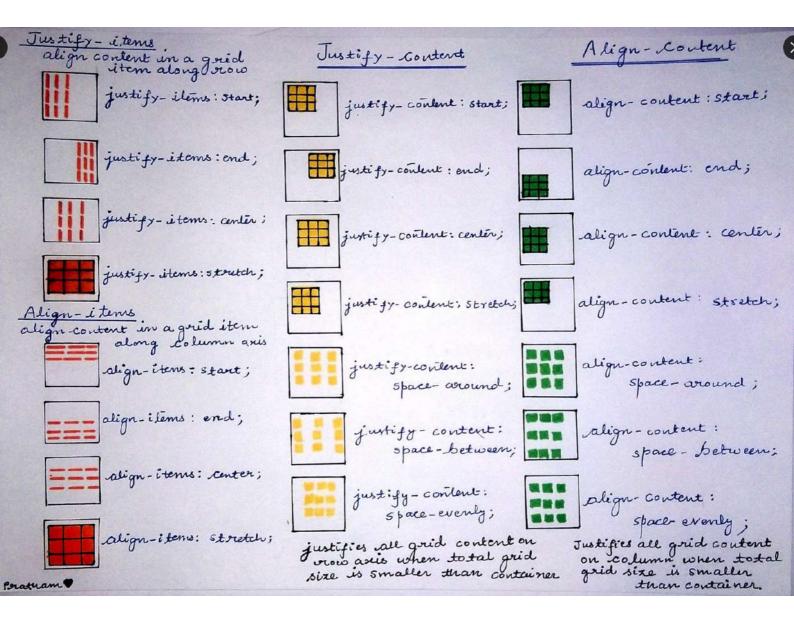
→ grid-area (shorthand)

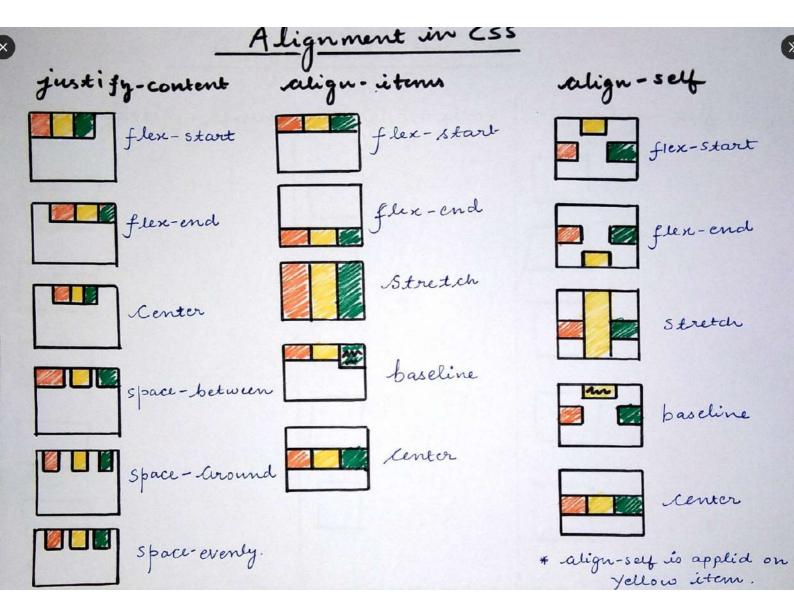
- → grid-row-start
 - → grid-row-end
 - → grid-column-start
 - → grid-column-end

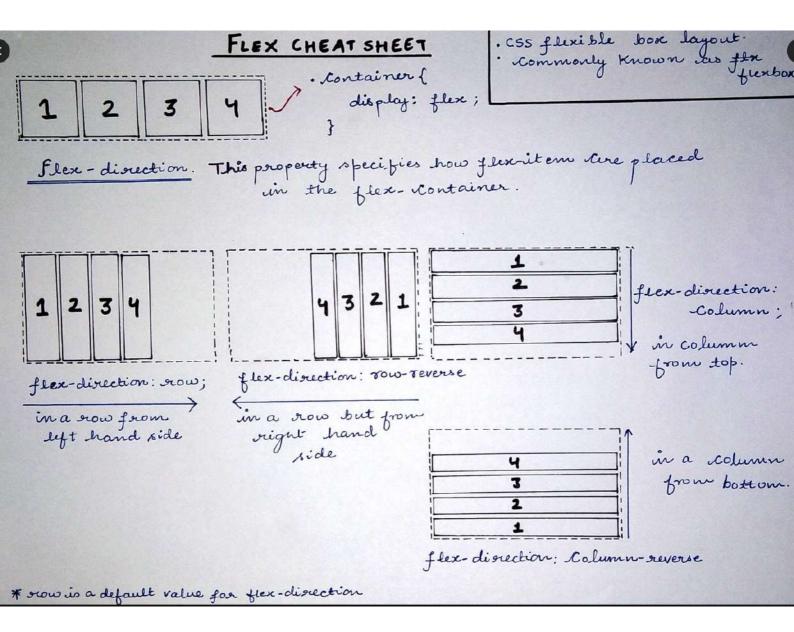
→ grid-column (shorthand)

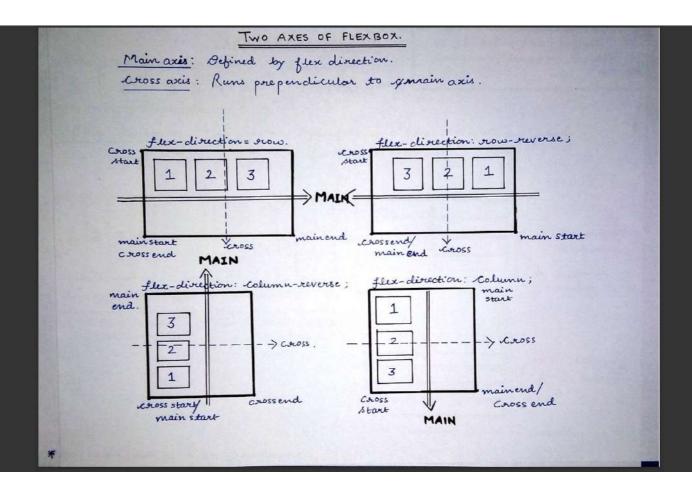
→ gap (shorthand)

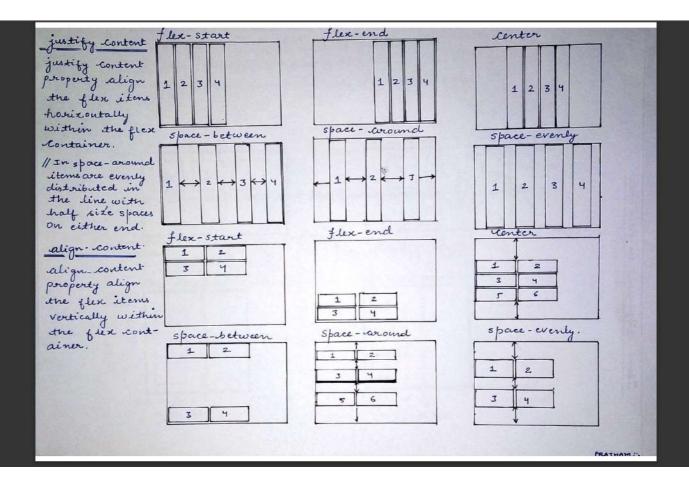
- → row-gap
- → column-gap

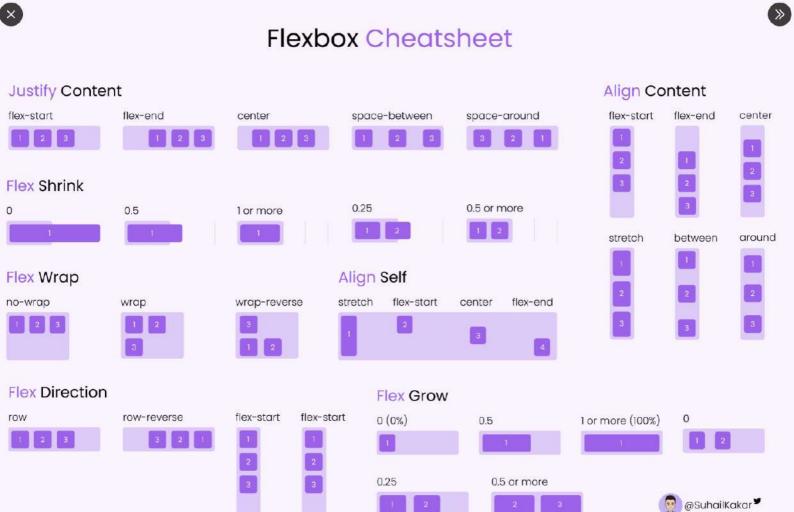












CSS Flexbox Properties and Values

→ flex-grow

. . .

<number>
altgn-content
altgn-items
align-self
normal
normal
normal
normal
auto
flex-start
stretch
start
flex-end
flex-end
flex-start
end
start
flex-end
flex-end
flex-basis
center
end
start
end
center
end
center
end
center
baseline
first baseline
first baseline
first baseline
first baseline
fit-content
first baseline
fill
first baseline
self-end
self-end
self-end
safe
unsafe

flex (shortband)
auto
normal
stretch
stretch
start
center
baseline
self-end
self-start
safe
unsafe
unsafe
unsafe
unsafe

→ flex-basis

flex (shorthand) ↦ flex-grow ↦ flex-shrink

→ flex-basis

→ flex-direction

H LOM

row-reverse

→ column
 → column-reverse
 → baseline

→ flex-wrap

→ nowrap

→ wrap

→ wrap-reverse

→ flex-flow (shorthand)
→ flex-direction

→ flex-wrap

gap (shorthand)

⊷ row-gap → column-gap

→ align-content → align-items
→ normal → normal

→ justify-content

→ start

→ end

→ flex-start

→ flex-start
→ flex-end
→ center
→ left

→ unsafe

→ place-content (shorthand) → place-items (shorthand) → place-self (shorthand)

→ align-content → align-items → align-self

→ justify-content → justify-items → justify-self

- row-gap

→ normal

→ <length>

→ <percentage>

self-end
safe
unsafe

justify-items
auto
normal
auto
start
normal
start
end
flex-start
flex-end
self-start
self-end
self-start
center
left

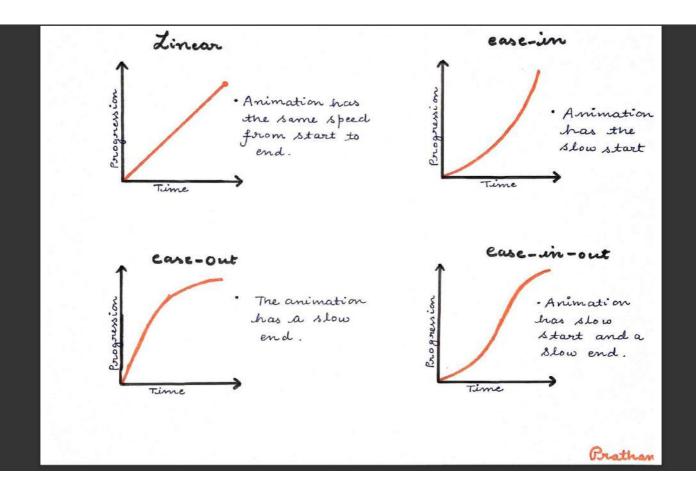
end # start # normal
flex-start # end # start
flex-end # flex-start # end
center # flex-end # flex-start
left # self-start # flex-end
right # self-end # self-start
normal # center # self-end
baseline # left # center
first baseline # right # left
last baseline # baseline # right
space-between # first baseline # baseline
space-around # last baseline # first baseline
space-evenly # stretch # last baseline
stretch # safe # stretch
safe # unsafe # safe
unsafe # legacy # unsafe

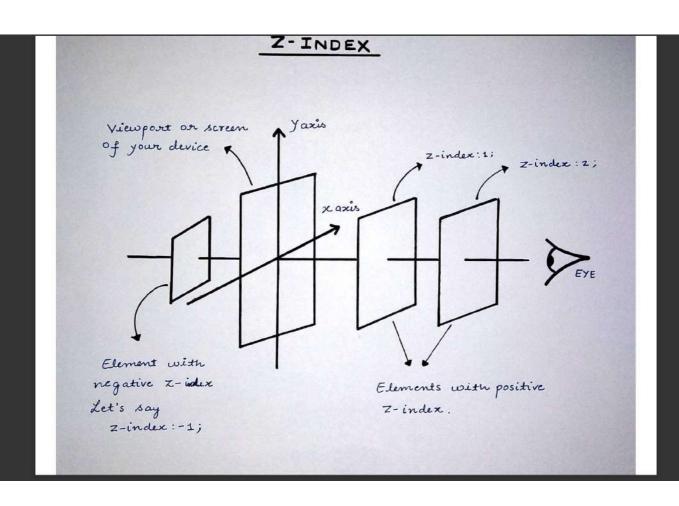
→ legacy

→ column-gap

→ align-self

→ unsafe





JAVASCRIPT ARRAY METHODS

[1,2,3]. Concat ([4]) // [1,2,3,4] [1,2,3]. copyWithIn (0,2,3) // [3,2,1] [1,2,3]. every (x => x < 3) // false

[1,2,3]. fill (0,1,3) // [1,0,0] [1,2,3]. filter (x=> x >2) // [2,3]

[1,2,3]. find (x => x>1) 1/2

[1,2,3]. map (x=> x *2) // [z,4,6]

[1,2,3]. for Each (x => console.log(x)) 1/123

[1,2,3]. push (4) // 4 return Length of arr [1,2,3]. shift() // 1 return shifted element [2,3] [1,2,3,4]. slice(1,3) // [2,3]

[1,2,3]. Some(x=7 x72) //true. [1,2,3]. find Index (x=>x=2) //1 [1,2,3]. includes (2) // true. [1,2,3]. index of (2) // 1 [1,2,3]. jain ("-") // "1-2-3" [1,2,1]. lastIndexOf(1) //2 [1,2,3]. pop (3) // 3 veturn popped element [1,2]

[1,2,3]. reduce ((x,)) => x+y) //6 = 1+2+3

