

CSS Flexbox Layout

flexible box module, single-dimensional layout



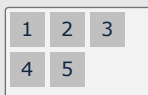
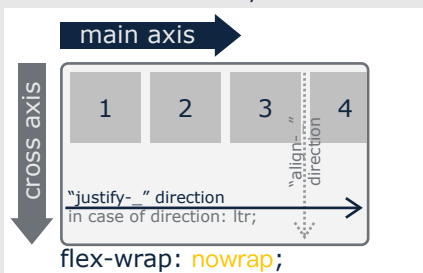
for the parent (Flex Container)

1 Define the element as a Flex container

display: flex or inline-flex;

2 Define the main axis of the Flex container

flex-direction: row;

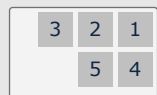
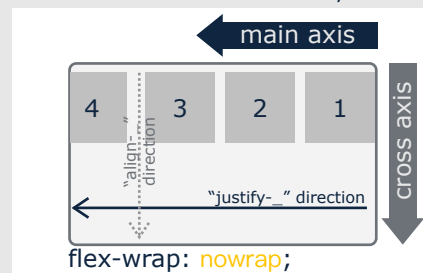


flex-wrap: wrap;

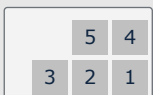


flex-wrap: wrap-reverse;

flex-direction: row-reverse;

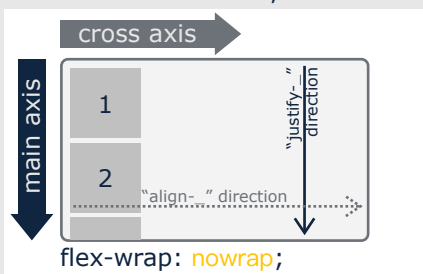


flex-wrap: wrap;



flex-wrap: wrap-reverse;

flex-direction: column;



flex-wrap: wrap;



flex-wrap: wrap-reverse;

flex-direction: column-reverse;



flex-wrap: wrap;



flex-wrap: wrap-reverse;



flex-flow: column wrap;

flex-direction _ flex-wrap;

justify-content: flex-start | center | flex-end | space-between | space-around | space-evenly;

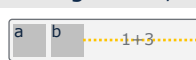
align-items: stretch | flex-start | center | flex-end | baseline;

align-content: stretch | flex-start | center | flex-end | space-between | space-around;



for the children (Flex Items)

flex-grow: 0;



```
.item-a {flex-grow: 1;}
.item-b {flex-grow: 3;}
a :1 b :3
```

flex-shrink: 1;



```
.item-a {flex-shrink: 1;}
.item-b {flex-shrink: 3;}
a :1 b :3
```

order: 0;



```
.item-c {order: 1;}
.item-e {order: -1;}
e a b d c
```



flex-basis: defines the size along the main axis (can be both width and height)

align-self: auto | flex-start | center | flex-end | baseline | stretch;

z-index: 0;



flex: 0 1 30%; flex-grow _ flex-shrink _ flex-basis;

flex: initial; = 0 1 auto;

flex: auto; = 1 1 auto;

flex: none; = 0 0 auto;



1 positioning properties (in case of flex-flow: row wrap;)

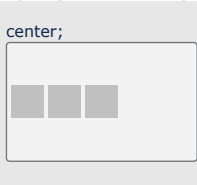
justify-content:

(along the main axis)



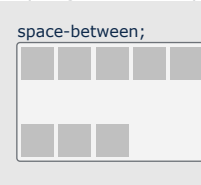
align-items:

(along the cross axis)



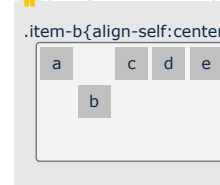
align-content:

(along the cross axis)



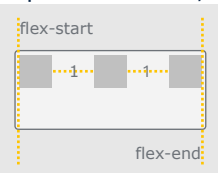
align-self:

(along the cross axis)



2 positioning values (in case of flex-direction: row;)

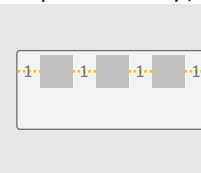
space-between;



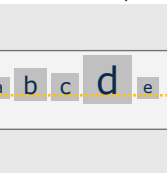
space-around;



space-evenly;



baseline;



[references] https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Flexible_Box_Layout/Basic_Concepts_of_Flexbox

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

<https://www.udemy.com/course/css-the-complete-guide-incl-flexbox-grid-sass/>