

Utility Classes

Bootstrap



Table of Content

- Utility Classes



Utility Classes

(Bootstrap)

Bootstrap

(Width)

Class	Description
.w-25	To set width as 25%
.w-50	To set width as 50%
.w-75	To set width as 75%
.w-100	To set width as 100%

Bootstrap

(Height)

Class	Description
.h-25	To set height as 25%
.h-50	To set height as 50%
.h-75	To set height as 75%
.mh-100	To set maximum height as 100%

Bootstrap

(Grid – Order classes)

- `.order-{ sm | md | lg | xl }-{number}` classes
 - for controlling the visual order of the content
 - Number range 1 ~ 12
- These classes are responsive, so you can set the order by breakpoint (e.g., `.order-1` or `.order-md-2`)
- Includes support for 1 through 12 across all five grid tiers

Bootstrap

(Margin and padding classes)

- For xs : {property}{sides}-{size}
- For sm, md, lg and xl
 - {property}{sides}-{breakpoint}-{size}
- {property} – m (for margin) and p (for padding)
- {sides} – t (top), b (bottom), l (left), r (right), x (both left and right), y (both top and bottom), blank (all sides)
- {Breakpoint} – sm, md, lg and xl
- {size} – 0 ~ 5 or auto

Bootstrap

(Margin and padding - size)

Size code	Units	Padding or Margin (assuming font size 16 px)
0	0	Set padding / margin to zero
1	.25 rem	Set padding / margin to 4px
2	.5 rem	Set padding / margin to 8px
3	1 rem	Set padding / margin to 16px
4	1.5 rem	Set padding / margin to 24px
5	3 rem	Set padding / margin to 48px
auto	-	Sets margin to auto

Bootstrap

(Margin classes)

Example	Description
m-0	Set margin to zero
m-2	Set margin to 8px on all sides
mr-1	Set margin on right side to 4px
ml-3	Set margin on left side to 16px
mt-4	Set margin on top side to 24px
mx-5	Set margin on left and right sides to 48px
my-2	Set margin on top and bottom sides to 8px

Bootstrap

(Margin classes - Centre Align)

- Set left and right margins to auto
- You can also use `.mx-auto` class

Example :

```
<div class="col-sm-6 ml-auto mr-auto"></div>
```

Or

```
<div class="col-sm-6 mx-auto"></div>
```

Bootstrap

(Padding classes)

Example	Description
p-0	Set padding to zero
p-2	Set padding to 8px on all sides
pr-1	Set padding on right side to 4px
pl-3	Set padding on left side to 16px
pt-4	Set padding on top side to 24px
px-5	Set padding on left and right sides to 48px
py-2	Set padding on top and bottom sides to 8px

Bootstrap

(Grid – Offsetting classes)

- `.offset-{ sm | md | lg | xl }-{number}` classes
 - These classes increase the left margin of a column by `{number}` columns

Example:

```
/* move column by four columns */  
<div class="col-md-4 offset-md-4" >
```

Bootstrap

(Vertical Align)

Class	Description
.align-baseline	Align the element to baseline of text
.align-top	Align the element to top
.align-middle	Align the element to middle
.align-bottom	Align the element to bottom
.align-text-top	Align the text to top
.align-text-bottom	Align the text to bottom

***These classes only works on inline, inline-block, inline-table and table cell elements**

Bootstrap

(Vertical Align)

Text pack

top


middle


baseline

bottom

Bootstrap

(Vertical Align)

Vertical Align  baseline


Vertical Align  top

Vertical Align  middle

Bootstrap

(Vertical Align)

Vertical Align  bottom

Vertical Align  text-top

Vertical Align  text-bottom

Bootstrap

(Display classes)

- `.d-{value}` for xs
- `.d-{breakpoint}-{value}` for sm, md, lg, and xl
- `{value}` – none, inline, inline-block, block, table, table-cell, table-row, flex and inline-flex
- The media queries effect screen widths with the given breakpoint or larger
- For example: `.d-lg-none` sets `display: none;` on both lg and xl screens

Bootstrap

(Display classes – Hiding Elements)

- Use `.d-none`, `.d-breakpoint}-none` classes to hide the elements

Screen	Class
Hidden on all	<code>.d-none</code>
Hidden only on xs	<code>.d-none .d-sm-block</code>
Hidden only on sm	<code>.d-sm-none .d-md-block</code>
Hidden only on md	<code>.d-md-none .d-lg-block</code>

Bootstrap

(Display classes – Hiding Elements)

Screen	Class
Visible on all	.d-block
Visible only on xs	.d-block .d-sm-none
Visible only on sm	.d-none .d-sm-block .d-md-none
Visible only on md	.d-none .d-md-block .d-lg-none

Bootstrap

(Display classes – Flex)

Class	Description
.d-flex	Declare flexbox
.d-inline-flex	Declare inline flexbox
.d-sm-flex	Flexbox on small devices and above
.d-sm-inline-flex	Declare inline flexbox on small devices and above
.d-md-flex	Declare flexbox on medium devices and above
.d-md-inline-flex	Declare inline flexbox on medium devices and above

Bootstrap

(Display classes – Direction)

- `.flex-{ row | column }`
- `.flex-{breakpoint}-{ row | column }`
- `.flex-{breakpoint}-{ row | column }-reverse`

Bootstrap

(Display classes – Direction)

Class	Description
.flex-row	Direction row on all devices (Default)
.flex-column	Direction column on all devices
.flex-sm-column	Direction column on small and above devices
.flex-md-row-reverse	Direction row reverse on medium and above devices

Bootstrap

(Display classes – Wrap)

- Change how flex items wrap in a flex container
 - `.flex-{ wrap | nowrap }`
 - `.flex-wrap-reverse`
 - `.flex-{ breakpoint }-{ wrap | nowrap }`
 - `.flex-{ breakpoint }-wrap-reverse`

Bootstrap

(Display classes – Wrap)

Class	Description
.flex-nowrap	Default
.flex-wrap	Flex items shall wrap
.flex-sm-wrap	Flex items shall wrap on small and above devices
.flex-sm-wrap-reverse	Flex items shall wrap reverse on medium and above devices

Bootstrap

(Border)

Class	Description
.border	Base class to set border on all sides
.border-top-0	No border on top side
.border-right-0	No border on right side
.border-bottom-0	No border on bottom side
.border-left-0	No border on left side
.border-0	No border of all sides

Bootstrap

(Border color)

Class	Description
<code>.border-{color}</code>	primary secondary warning danger success info light dark white

Bootstrap

(Border color)

Name	Hex code	Color
primary	#007bff	Blue
secondary	#6c757d	Dark gray
warning	#ffc107	Vivid yellow
danger	#dc3545	Bright red
success	#28a745	Dark lime green
info	#17a2b8	Strong cyan
light	#f8f9fa	Light grey
dark	#343a40	Very dark grey
white	#fff	white

Bootstrap

(Border Radius)

Class	Description
.rounded	All rounded corners
.rounded-top	Top rounded corners
.rounded-right	Right rounded corners
.rounded-bottom	Bottom rounded corners
.rounded-left	Left rounded corners
.rounded-circle	Make a circle
.rounded-0	No rounded corner

Bootstrap

(Responsive Float)

- `.float-{ sm | md | lg | xl }-{ right | left }`
- `.float-left` – To float left
- `.float-right` – To float right
- `.float-none` – No float
- Clear floats with the `.clearfix` class

Bootstrap

(Responsive Float)

- Example :
 - float-sm-right : float right on screens $\geq 576\text{px}$
 - float-lg-left : float left on screens $\geq 992\text{px}$
 - float-md-right : float right on screens $\geq 768\text{px}$
 - float-xl-left : float left on screens $\geq 1200\text{px}$

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*Thank
you*