

Lesson 29: Utilities in Bootstrap 5

Bootstrap 5 utilities provide you with many useful/helper classes to style elements quickly without needing to use CSS code.

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Border

Use classes `border` to add or remove borders from an element:

Sample code:

For example:

```
Bootstrap Example
```

Border

Use the ``border`` class to add or remove borders from an element on TipsMake.com:

Đường viền

Dùng class `border` để thêm hoặc loại bỏ các đường viền khỏi một phần tử trên Quantrimang.com:



Border width

Use `.border-1-5` `.borderto` change the width of the border:

For example:

`Bootstrap Example`

Change the border width on TipsMake.com.com

Thay đổi độ rộng đường viền trên
Quantrimang.com



Border color

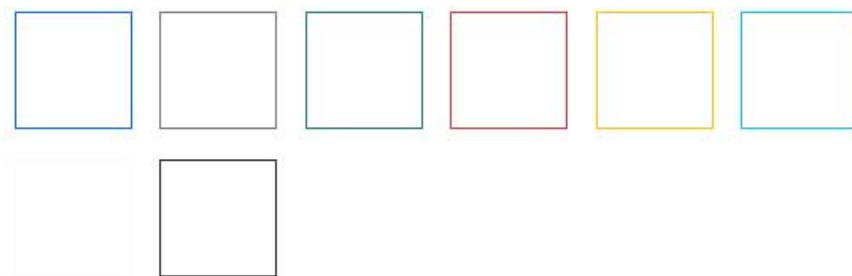
Color the border with any contextual border color class:

For example:

`Bootstrap Example`

Change the border color styles on TipsMake.com.com

Thay đổi các kiểu màu đường viền trên Quantrimang.com



Contour radius

Add rounded corners to an element with the class rounded:

For example:

Bootstrap Example Bo tròn các góc của một phần tử bằng class rounded ??
khoanh tròn các ý chính trên TipsMake.com.com

Bo tròn các góc của một phần tử bằng class rounded để khoanh tròn các ý chính trên Quantrimang.com



Float and Clearfix

Move an element to the right with the class `.float-end` or to the left with the class `.float-start`, and remove floats with the class `.clearfix`:

```
Float left Float right
```

For example:

```
Bootstrap Example
```

Float

Move an element to the right using the `.float-end` class or to the left using `.float-start`, and remove the float using the `.clearfix` class.

```
Float left Float right
```

Float

Chuyển phần tử sang phải bằng `.float-end` class hoặc sang trái bằng `.float-start`, xóa float bằng class `.clearfix`.

```
Float left
```

```
Float right
```

Float screen by screen

Move an element left or right according to screen width, using a responsive float class (`.float-*start|end` where `*` is `sm` ($\geq 576\text{px}$), `md` ($\geq 768\text{px}$), `lg` ($\geq 992\text{px}$), `xl` ($\geq 1200\text{px}$) or `xxl` ($\geq 1400\text{px}$):

```
Float right on small screens or wider
Float right on medium screens or wider
Float right on large screens or wider
Float right on extra large screens or wider
Float right on XXL screens or wider
Float none
```

Sample code:

```
Bootstrap Example
```

Float responsive

Adjust the browser window size to see the change.

```
Chuyển sang phải trên màn hình nhỏ hoặc lớn hơn
Chuyển sang phải trên màn hình trung bình trở lên/div>
```

Chuyển sang phải cho màn hình lớn
Chuyển sang phải cho màn hình cỡ lớn
Float right on XXL screens or wider
Không float

Middle room

Center an element within a class `.mx-auto`(add automatic left and right alignment):

Centered

For example:

Bootstrap Example

Middle room

Automatically center an element using the `.mx-auto` class:

Căn giữa

Căn giữa

Tự động căn giữa một phần tử bằng class `.mx-auto`:

Căn giữa

Width

Set the width of an element using the class `w-*` (`.w-25`, `.w-50`, `.w-75`, `.w-100`, `.mw-auto`, `.mw-100`):

Width 25% Width 50% Width 75% Width 100% Auto Width Max Width 100%

For example:

Chiều rộng các tiện ích

Thiết lập chiều rộng của một phần tử bằng w-* classes:



Height

Set the height of an element using the class h-*(.h-25, .h-50, .h-75, .h-100, .mh-auto, .mh-100):

Height 25% Height 50% Height 75% Height 100% Auto Height Max Height 100%



Distance

Bootstrap 5 has a range of responsive margin and padding utility classes. These work for all breakpoints: **xs** (=576px), **sm** (>=576px), **md** (>=768px), **lg** (>=992px), **xl** (>=1200px), or **xxl** (>=1400px).

The classes are used in the following formats: `{property}{sides}-{size}` for **xs** and `{property}{sides}-{breakpoint}-{size}` for **sm**, **md**, **lg**, **xl**, and **xxl**.

Property is one of:

1. **m**Butmargin
2. **p**Butpadding

Sides is one of:

1. **t**- place margin-top or padding-top
2. **b**- place margin-bottom or padding-bottom
3. **s**- place margin-left or padding-left
4. **e**- place margin-right or padding-right
5. **x**- put both padding-left and padding-right or margin-left and margin-right
6. **y**- place both padding-top and padding-bottom or margin-top and margin-bottom
7. **blank**- Place a margin padding or block on all sides of the element.

Size is one of:

1. 0- place margin or padding transfer 0
2. 1- place margin or padding transfer .25rem
3. 2- place margin or padding transfer .5rem
4. 3- place margin or padding shang 1rem
5. 4- place margin or padding transfer 1.5rem
6. 5- place margin or padding transfer 3rem
7. auto- set margin to auto

Sample code

I only have a top padding (1.5rem) I have a padding on all sides (3rem) I have a

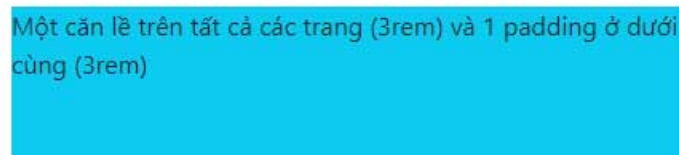
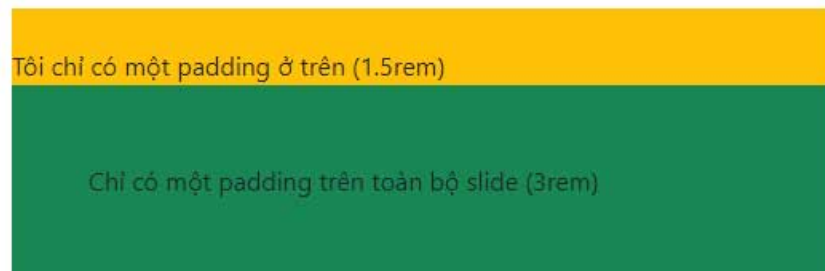
For example:

Bootstrap Example

Space elements using the class `{property}{sides}-{breakpoint}-{size}`. Omit breakpoints if you want padding or margins to work across all screen sizes.

Tôi chỉ có một padding ở trên (1.5rem) Chỉ có một padding trên toàn bộ slide (3rem) Một căn lề trên tất cả các trang (3rem) và 1 padding ở dưới cùng (3rem)

Giãn cách các phần tử bằng class `{property}{sides}-{breakpoint}-{size}`. Bỏ qua breakpoint nếu bạn muốn phần đệm hoặc lề hoạt động trên mọi kích thước màn hình.



Examples of other types of social distancing

- `.m-#` / `m-*-#` Align all sides
- `.mt-#` / `mt-*-#` Top hinge
- `.mb-#` / `mb-*-#` Bottom margin

- .ms-# / ms-*-# Left alignment
- .me-# / me-*-# Right alignment
- .mx-# / mx-*-# Left and right alignment
- .my-# / my-*-# Top and bottom margins
- .p-# / p-*-# Padding for all sides
- .pt-# / pt-*-# Padding on top
- .pb-# / pb-*-# Bottom padding
- .ps-# / ps-*-# Padding on the left
- .pe-# / pe-*-# Padding on the right
- .py-# / py-*-# Padding above and below
- .px-# / px-*-# Padding on the left and right

Shadows

Use a class shadow- to add a shadow to an element:

No shadow Small shadow Default shadow Large shadow

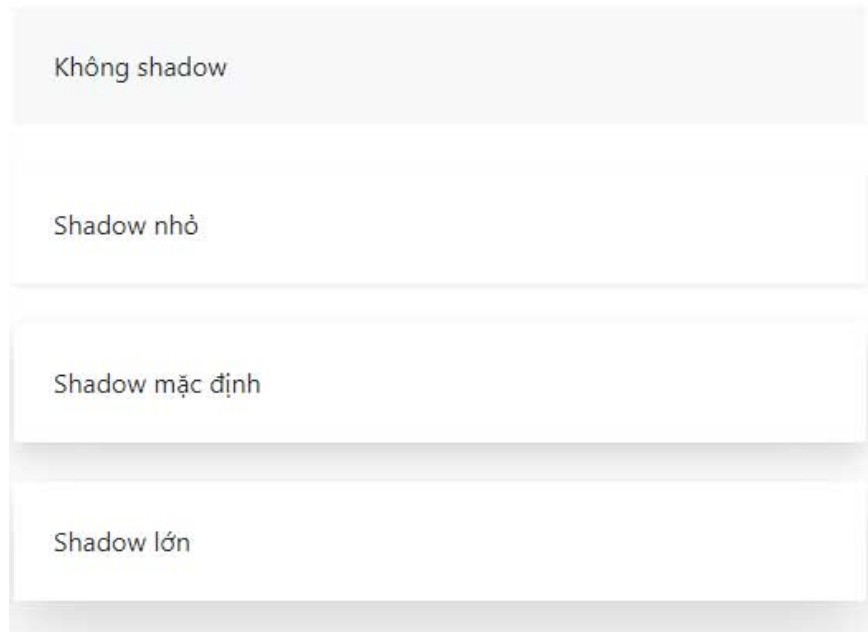
For example:

Bootstrap Example

Cross

Không shadow Shadow nh? Shadow m?c ??nh Shadow l?n

Shadow



Vertical alignment

Use classes `align-` to change the alignment of elements (this only works on inline cell elements, inline blocks, inline tables, and tables). Sample code:

```
baseline top middle bottom text-top text-bottom
```

```
baseline top middle bottom text-top text-bottom
```

Aspect ratio

Create a responsive video or slideshow based on the width of the main element. Add the `.ratio`` class along with your chosen aspect ratio `.ratio-*` to the parent element, and add a video or iframe embedded inside it:

For example:

```
Bootstrap Example
```

Aspect ratio

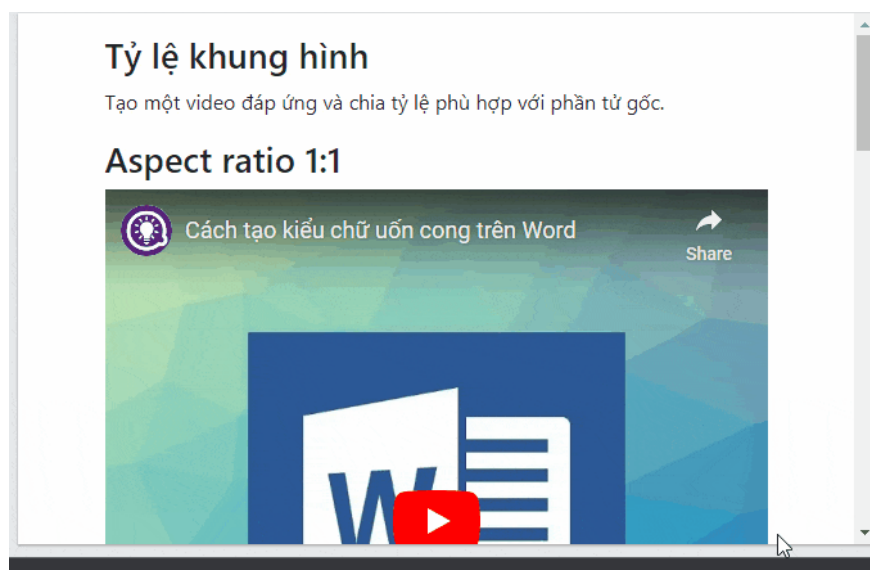
Create a responsive video and scale it appropriately to the original element.

Aspect ratio 1:1

Aspect ratio 4:3

Aspect ratio 16:9

Aspect ratio 21:9



Display

Use classes `.visible` or `.invisible` to control the visibility of elements. Note: These classes do not change the displayed CSS value. They only add `visibility:visible` or `visibility:hidden`:

```
I am visible I am invisible
```

Close icon

Use the `.btn-close` class to style the closing icon. This class is commonly used for notifications and modals.

For example:

Screenreader

Use the `.visually-hidden` class to hide an element on all devices except screen readers:

I will be hidden on all screens except for screen readers.

Color

Below is a list of all text and background color classes:

`text-muted`, `.text-primary`, `.text-success`, `.text-info`, `.text-warning`, `.text-danger`, `.text-secondary`, `.text-white`, `.text-dark`, `.text-body` and `.text-light`:

Bootstrap Example

Contextual text color

TipsMake.com.

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TipsMake.com.

TipsMake.com.

TipsMake.com.

TipsMake.com.

TipsMake.com.

TipsMake.com.

TipsMake.com.

Màu theo ngữ cảnh

Quantrimang.com.

Quantrimang.com.

Quantrimang.com.

Quantrimang.com.

Quantrimang.com.

Quantrimang.com.

Quantrimang.com.

Quantrimang.com.

Quantrimang.com.

Quantrimang.com.

Background color

The class for the background color is: `.bg-primary`, `.bg-success`, `.bg-info`, `.bg-warning`, `.bg-danger`, `.bg-secondary`, `.bg-dark` and `.bg-light`.

For example:

```
Bootstrap Example
```

Background based on context

Use background classes in context to convey meaning through color.

Background theo ngữ cảnh

Dùng các class backgroundn theo ngữ cảnh để cung cấp ý nghĩa qua màu sắc.



The class `.bg-color` above doesn't work well with text. However, you can use a class `.text-color` to make the text color match the background color. You can also use classes `.text-bg-color` and Bootstrap will automatically handle the text color to match each background color.

For example:

Bootstrap Example

The background color contrasts with the text color.

Important information.

Success notification.

Represents certain information.

Represents a warning.

Danger warning.

TipsMake.com.

Technology news channel.

Light gray background color.

Màu nền tương phản với màu text

Thông tin quan trọng.

Thông báo thành công.

Đại diện cho một số thông tin.

Đại diện cho cảnh báo.

Cảnh báo nguy hiểm.

Quantrimang.com.

Kênh thông tin công nghệ.

Màu nền xám nhạt.

Above is everything you need to know about the utilities in Bootstrap 5. Hopefully, this article is helpful to you.

You finished reading the article "**Lesson 29: Utilities in Bootstrap 5**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.