

Bootstrap

Le framework CSS à connaître



Qu'est-ce que Bootstrap ?



L'histoire de Bootstrap

Thème graphique de *Tweeter* (*Tweeter Blueprint*)

Projet open source publié en août 2019

Cohérence des outils graphiques

A hand in a dark suit jacket is pointing towards a glowing, circular digital interface. The interface has a purple and blue glow and is surrounded by numerous plus signs (+) of varying sizes. The background is dark and textured.

Les avantages

- Un gain de temps de développement
- Une certaine robustesse dans l'architecture globale du code
- Fiable / fait ses preuves

A person in a dark suit stands behind a red rope barrier supported by black stanchions in a dark room. The text "Les limites" is overlaid in white.

Les limites

- Framework dense
- Respect des règles du framework
- Ne permet pas de faire des “fantaisies”

Comment l'installer ?

CSS :

```
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">
```

Javascript :


```
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
```

```
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3Mok7ZeZDyx"
crossorigin="anonymous"></script>
```

Source : <https://getbootstrap.com/docs/4.5/getting-started/introduction/>

Comment l'utiliser ?

- Système de classes CSS
- Respect de l'arborescence des classes
- *"Mobile first"* : Commencer par le format mobile



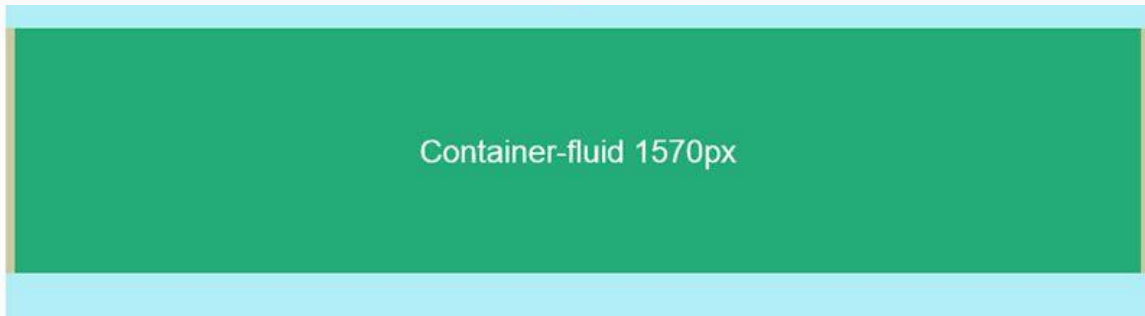
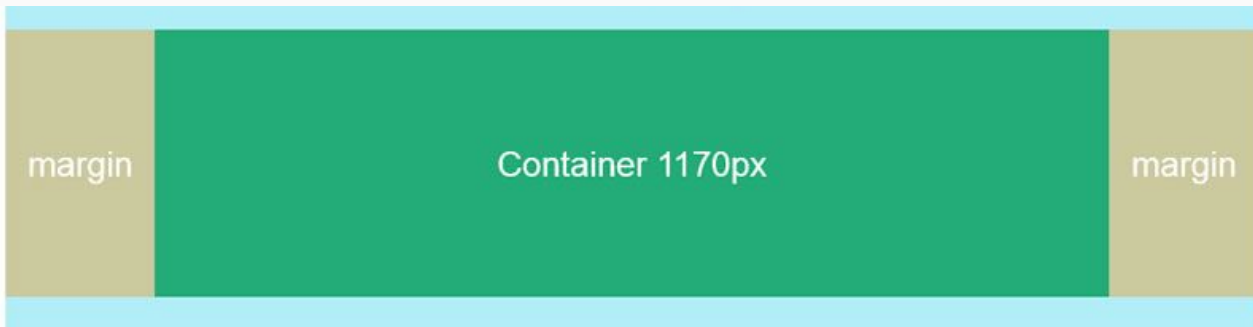
Les éléments indispensable à connaître

- Container (“conteneur”)
 - Row (“ligne”)
 - Column (“colonne”)
- Buttons (“boutons”)
- Forms (“formulaires”)

Le container

Screen width : 1600px

```
<div class="container">  
  <!-- Content here -->  
</div>
```



```
<div class="container-fluid">  
  <!-- Content here -->  
</div>
```

Row & Cols

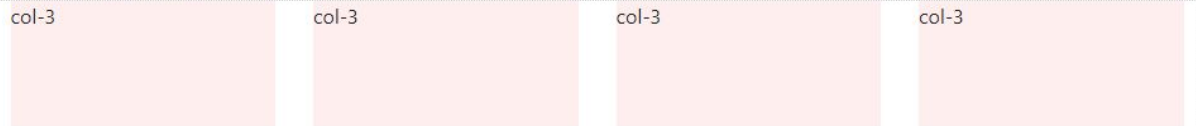
```
<div class="row">
  <div class="col-3">col-3</div>
  <div class="col-3">col-3</div>
  <div class="col-3">col-3</div>
  <div class="col-3">col-3</div>
</div>
```

```
<div class="row">
  <div class="col-4">col-4</div>
  <div class="col-4">col-4</div>
  <div class="col-4">col-4</div>
</div>
```

```
<div class="row">
  <div class="col-6">col-6</div>
  <div class="col-6">col-6</div>
</div>
```

```
<div class="row">
  <div class="col-12">col-12</div>
</div>
```

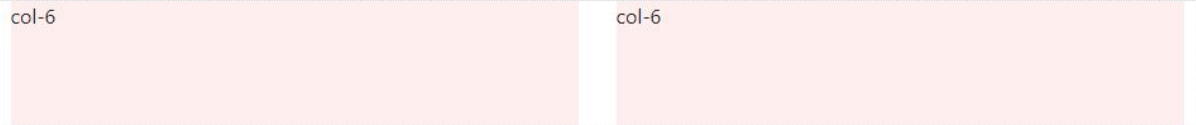
4 columns ($12/4 = 3$)



3 columns ($12/3 = 4$)



2 columns ($12/2 = 6$)



1 column ($12/1 = 12$)



Buttons



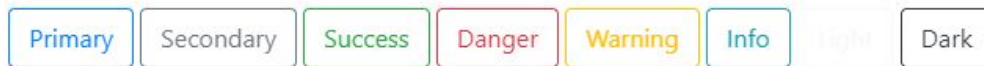
```
<button type="button" class="btn btn-primary">Primary</button>
<button type="button" class="btn btn-secondary">Secondary</button>
<button type="button" class="btn btn-success">Success</button>
<button type="button" class="btn btn-danger">Danger</button>
<button type="button" class="btn btn-warning">Warning</button>
<button type="button" class="btn btn-info">Info</button>
<button type="button" class="btn btn-light">Light</button>
<button type="button" class="btn btn-dark">Dark</button>

<button type="button" class="btn btn-link">Link</button>
```



Boutons classiques

Boutons “outlines” /
entourés



```
<button type="button" class="btn btn-outline-primary">Primary</button>
<button type="button" class="btn btn-outline-secondary">Secondary</button>
<button type="button" class="btn btn-outline-success">Success</button>
<button type="button" class="btn btn-outline-danger">Danger</button>
<button type="button" class="btn btn-outline-warning">Warning</button>
<button type="button" class="btn btn-outline-info">Info</button>
<button type="button" class="btn btn-outline-light">Light</button>
<button type="button" class="btn btn-outline-dark">Dark</button>
```

Forms

```
<form>

  <div class="form-group">
    <label for="exampleFormControlSelect1">Example select</label>
    <select class="form-control" id="exampleFormControlSelect1">
      <option>1</option>
      <option>2</option>
      <option>3</option>
      <option>4</option>
      <option>5</option>
    </select>
  </div>

</form>
```

Example select

```
<label for="inputPassword5">Mot de passe</label>

<input type="password" id="inputPassword5" class="form-control"
aria-describedby="passwordHelpBlock">

<small id="passwordHelpBlock" class="form-text text-muted">
  Votre mot de passe doit faire entre 8 et 20 caractères.
</small>
```

Mot de passe

Votre mot de passe doit faire entre 8 et 20 caractères.

Autres composants

Navbar

Navbar Home Link Dropdown ▾ Disabled

Cards

Featured

Special title treatment

With supporting text below as a natural lead-in to additional content.

Go somewhere

Pagination

Previous

1

2

3

Next

Modals

Modal title

×

Modal body text goes here.

Close

Save changes

List group

List group item heading

3 days ago

Donec id elit non mi porta gravida at eget metus.
Maecenas sed diam eget risus varius blandit.
Donec id elit non mi porta.

List group item heading

3 days ago

Donec id elit non mi porta gravida at eget metus.
Maecenas sed diam eget risus varius blandit.
Donec id elit non mi porta.

List group item heading

3 days ago

Donec id elit non mi porta gravida at eget metus.
Maecenas sed diam eget risus varius blandit.
Donec id elit non mi porta.

Et le responsive ?



Breakpoints

	Extra small <576px	Small ≥576px	Medium ≥768px	Large ≥992px	Extra large ≥1200px
Max container width	None (auto)	540px	720px	960px	1140px
Class prefix	.col-	.col-sm-	.col-md-	.col-lg-	.col-xl-



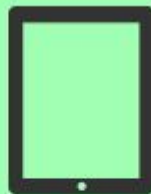
EXTRA SMALL DEVICES
(PORTRAIT PHONES,
LESS THAN 576PX)

**NO MEDIA QUERY SINCE
THIS IS THE DEFAULT IN
BOOTSTRAP**



SMALL DEVICES
(LANDSCAPE PHONES,
576PX AND UP)

@MEDIA
(MIN-WIDTH: 576PX)



MEDIUM DEVICES
(TABLETS, 768PX AND
UP)

@MEDIA
(MIN-WIDTH: 768PX)



LARGE DEVICES
(LAPTOPS, DESKTOPS,
992PX AND UP)

@MEDIA
(MIN-WIDTH: 992PX)



EXTRA LARGE DEVICES
(LARGE DESKTOPS,
1200PX AND UP)

@MEDIA
(MIN-WIDTH: 1200PX)