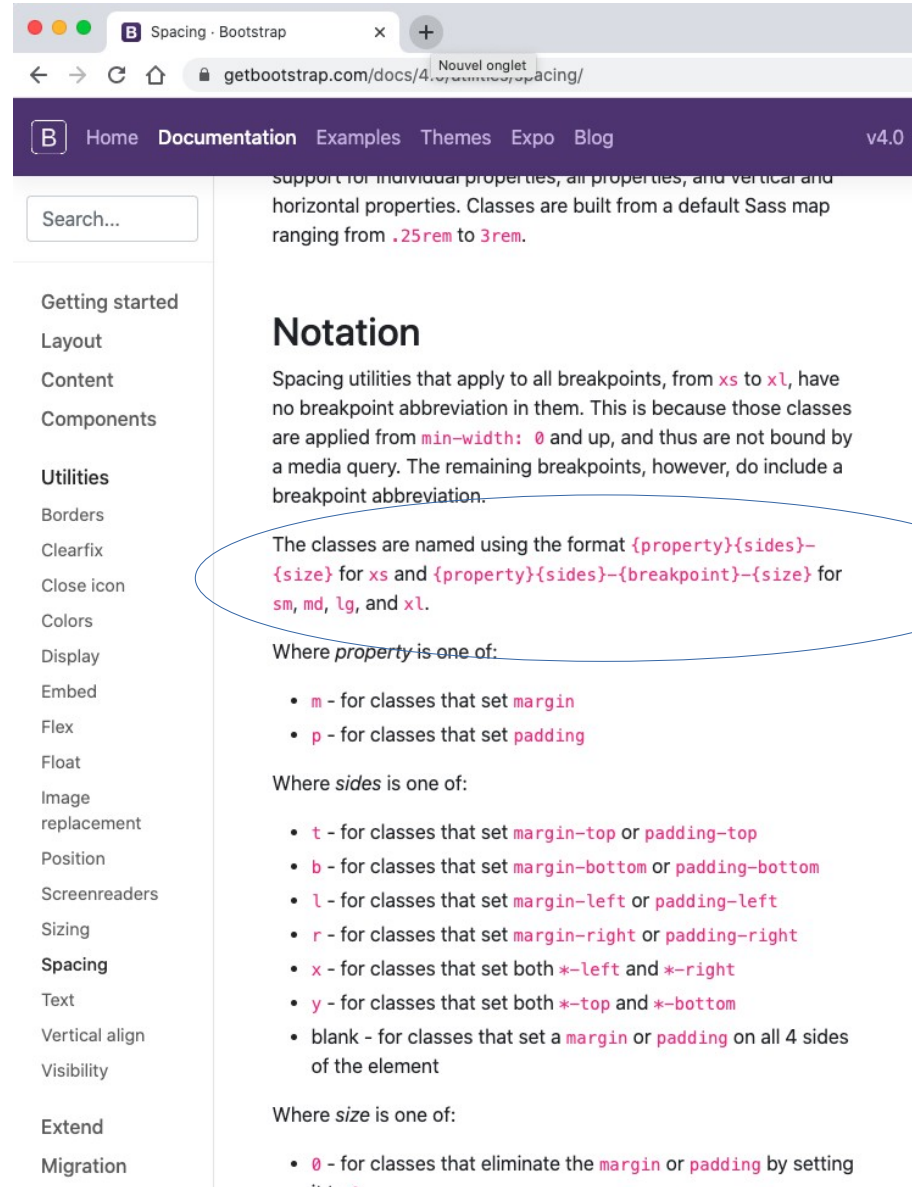




Box Model – margins & padding

getbootstrap.com/docs/4.0/ utilities/spacing/



The screenshot shows the Bootstrap 4.0 documentation page for Spacing utilities. The page has a purple header with navigation links: Home, Documentation, Examples, Themes, Expo, and Blog. A search bar is located on the left. The left sidebar contains a list of categories: Getting started, Layout, Content, Components, Utilities (highlighted), Borders, Clearfix, Close icon, Colors, Display, Embed, Flex, Float, Image replacement, Position, Screenreaders, Sizing, Spacing, Text, Vertical align, and Visibility. The main content area is titled "Spacing" and includes a paragraph about support for individual properties, a "Notation" section, and three lists of class naming conventions.

Support for individual properties, all properties, and vertical and horizontal properties. Classes are built from a default Sass map ranging from `.25rem` to `3rem`.

Notation

Spacing utilities that apply to all breakpoints, from `xs` to `xl`, have no breakpoint abbreviation in them. This is because those classes are applied from `min-width: 0` and up, and thus are not bound by a media query. The remaining breakpoints, however, do include a breakpoint abbreviation.

The classes are named using the format `{property}{sides}-{size}` for `xs` and `{property}{sides}-{breakpoint}-{size}` for `sm`, `md`, `lg`, and `xl`.

Where *property* is one of:

- `m` - for classes that set `margin`
- `p` - for classes that set `padding`

Where *sides* is one of:

- `t` - for classes that set `margin-top` or `padding-top`
- `b` - for classes that set `margin-bottom` or `padding-bottom`
- `l` - for classes that set `margin-left` or `padding-left`
- `r` - for classes that set `margin-right` or `padding-right`
- `x` - for classes that set both `*-left` and `*-right`
- `y` - for classes that set both `*-top` and `*-bottom`
- `blank` - for classes that set a `margin` or `padding` on all 4 sides of the element

Where *size* is one of:

- `0` - for classes that eliminate the `margin` or `padding` by setting



Des classes bootstrap libellées sous forme de formule

De nouveau il y a des formules à retenir.

cf. la page de la documentation Bootstrap

La première partie de la formule **m** pour margin
ou **p** pour padding

Toutes ces classes commenceront soit par m soit par p selon votre volonté de positionner des marges ou des paddings.

{property}{sides}-{size} (pour xs)

{property}{sides}-{breakpoint}-{size} (pour sm, md,lg,et xl)

- Ensuite on a {sides} pour indiquer de quel côté configurer le padding ou margin
- {sides} est optionnel, par défaut margins et paddings sont positionnées des 4 côtés.
- Les valeurs de side sont :
 - t pour top
 - b pour bottom
 - l pour left
 - r pour right
 - x pour left et right à la fois (axe des abscisses)
 - y pour top et bottom à la fois (axe des ordonnées)

{size}

Size, c'est la dimension des paddings et margins

Vous avez six possibilités : 0, 1, 2, 3, 4, 5 et auto

3 étant la valeur de base qui correspond à la hauteur de taille des caractères , donc par défaut.

Ex : class="mb-3" = margin bottom de la même taille que la police de caractères par défaut

Ex : class="mb-2" on configure les margins plus petits de 50% de la taille des caractères

Ex : class="mb-1" les margins de 25% de la taille

{size} (suite)

- On peut aussi augmenter la taille des paddings et margins avec mb-4 ou mb-5 pour obtenir un margin bottom de 150 % ou de 300 % de la hauteur des caractères
- Inclure des breakpoints pour rendre l'affichage des margins et padding responsive

{property}{sides}-{breakpoint}-{size}

m	t	-	xs	0
	b		sm	1
d	l		md	2
	r		lg	3
	x		xl	4
	y			5

Démo margins

```
<body>
  <section class="container-fluid bg-success">

    <div class="bg-danger">Repellat molestias, numquam sunt!</div>
    <div class="bg-danger">Asperiores ea, quaerat iure.</div>
    <div class="bg-danger">Consequatur fugiat, quasi quo.</div>
    <div class="bg-danger">Perferendis aut quisquam quam.</div>
    <div class="bg-danger">Perferendis aut quisquam quam.</div>
  </section>
  <script src="js/jquery-3.3.1.slim.min.js"></script>
  <script src="js/bootstrap.bundle.min.js"></script>
</body>
```

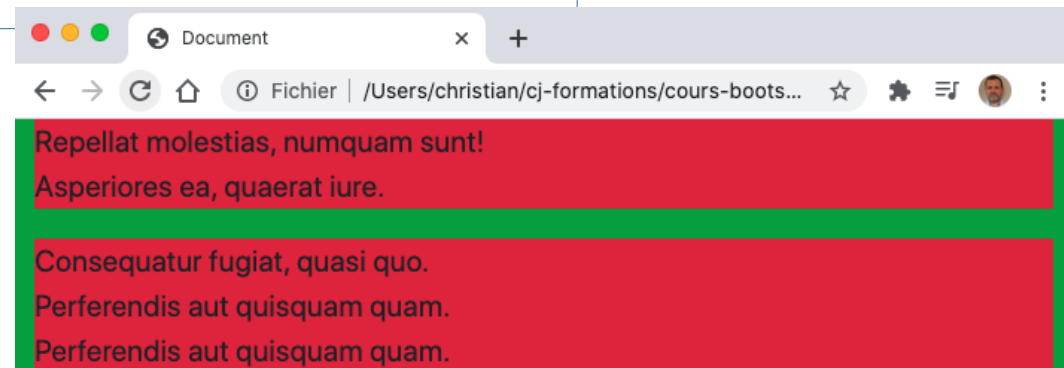


Exemples de classes pour afficher des paddings et des margins

Pour mettre une marge du bas sur mon deuxième div : mb-3

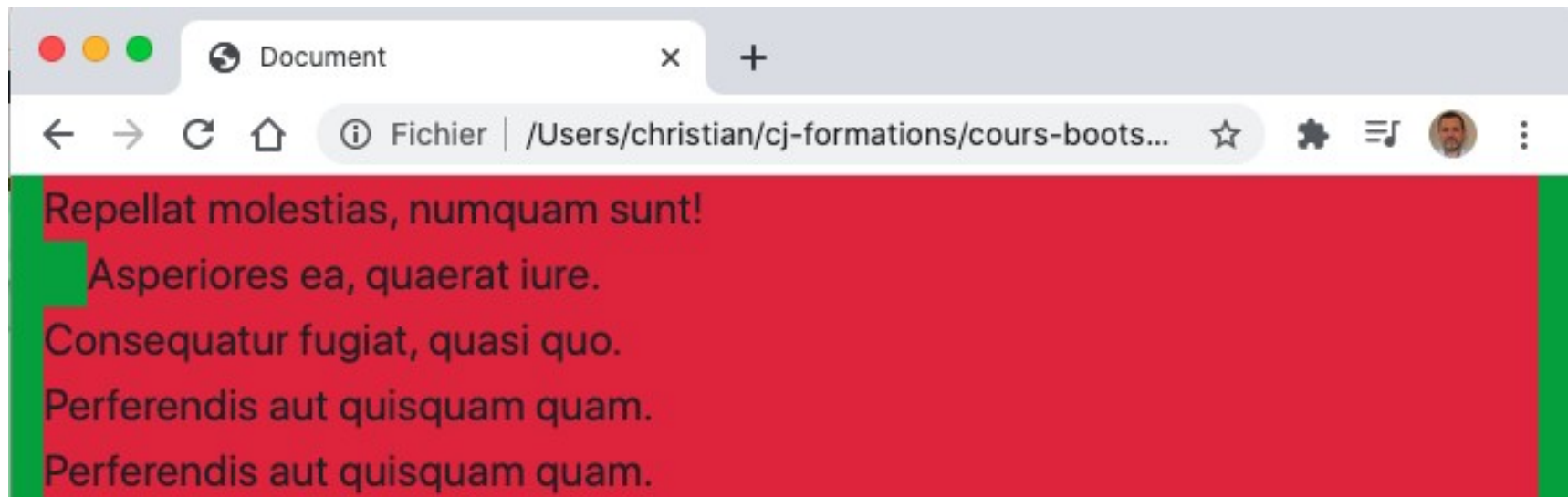
<=> une margin bottom de la même taille que la hauteur des caractères.

```
<body>
<section class="container-fluid bg-success" >
  <div class="bg-danger">Repellat molestias, numquam sunt!</div>
  <div class="bg-danger mb-3">Asperiores ea, quaerat iure.</div>
  <div class="bg-danger">Consequatur fugiat, quasi quo.</div>
  <div class="bg-danger ">Perferendis aut quisquam quam.</div>
  <div class="bg-danger">Perferendis aut quisquam quam.</div>
</section>
<script src="js/jquery-3.3.1.slim.min.js"></script>
<script src="js/bootstrap.bundle.min.js"></script>
</body>
```

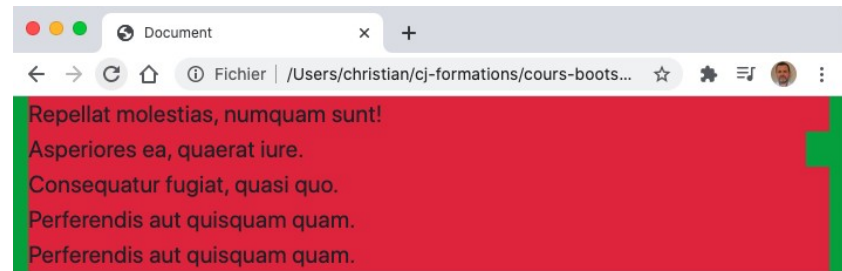


Exemple : class="ml-3"

```
<body>
  <section class="container-fluid bg-success" >
    <div class="bg-danger">Repellat molestias, numquam sunt!</div>
    <div class="bg-danger ml-3">Asperiores ea, quaerat iure.</div>
    <div class="bg-danger">Consequatur fugiat, quasi quo.</div>
    <div class="bg-danger ">Perferendis aut quisquam quam.</div>
    <div class="bg-danger">Perferendis aut quisquam quam.</div>
  </section>
  <script src="js/jquery-3.3.1.slim.min.js"></script>
  <script src="js/bootstrap.bundle.min.js"></script>
</body>
```

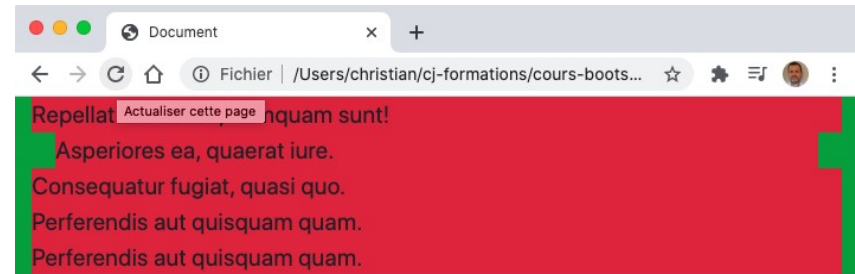


class="mr-3"

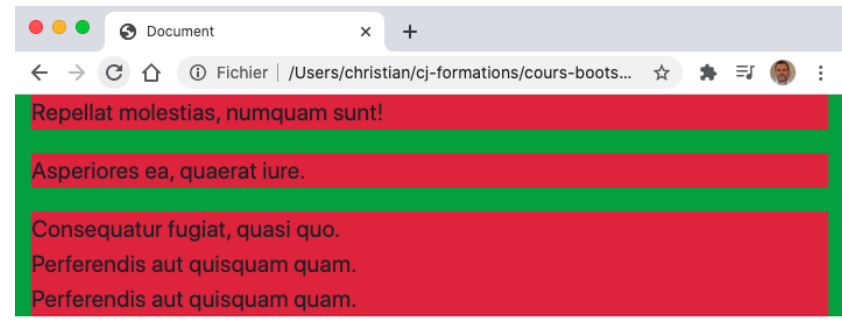


class="m...etc"

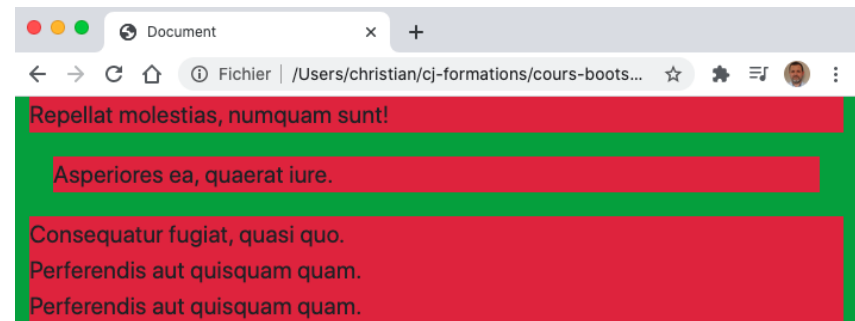
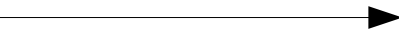
class="mx-3"



class="my-3"

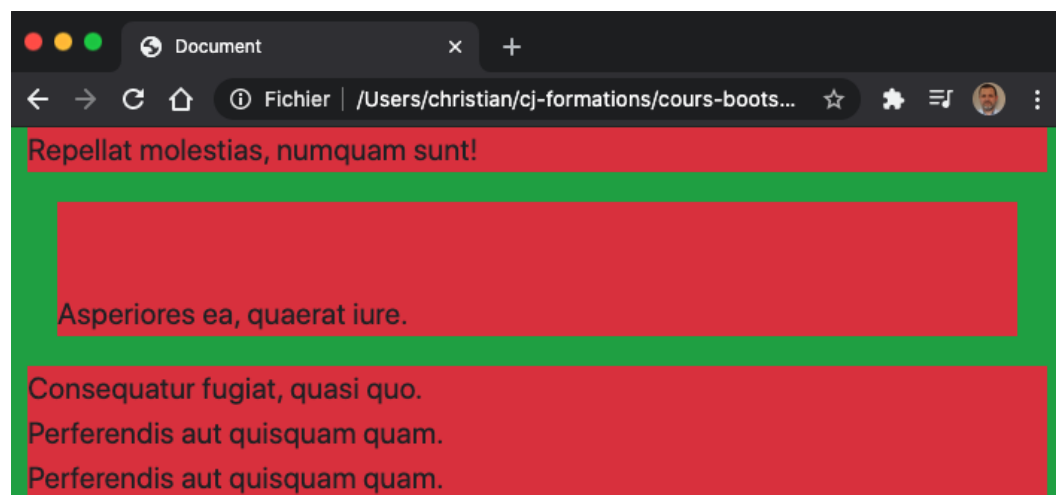


class="m-3"



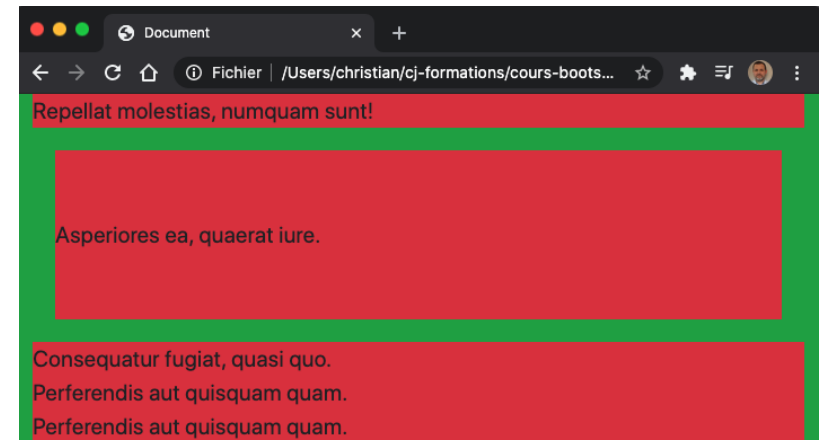
Démo padding

```
<body>
  <section class="container-fluid bg-success" >
    <div class="bg-danger">Repellat molestias, numquam sunt!</div>
    <div class="bg-danger ml-3 pt-5">Asperiores ea, quaerat
iure.</div>
    <div class="bg-danger">Consequatur fugiat, quasi quo.</div>
    <div class="bg-danger ">Perferendis aut quisquam quam.</div>
    <div class="bg-danger">Perferendis aut quisquam quam.</div>
  </section>
  <script src="js/jquery-3.3.1.slim.min.js"></script>
  <script src="js/bootstrap.bundle.min.js"></script>
</body>
```

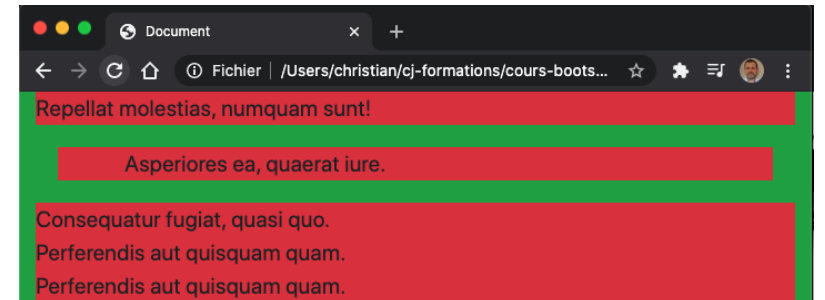


Démos paddings

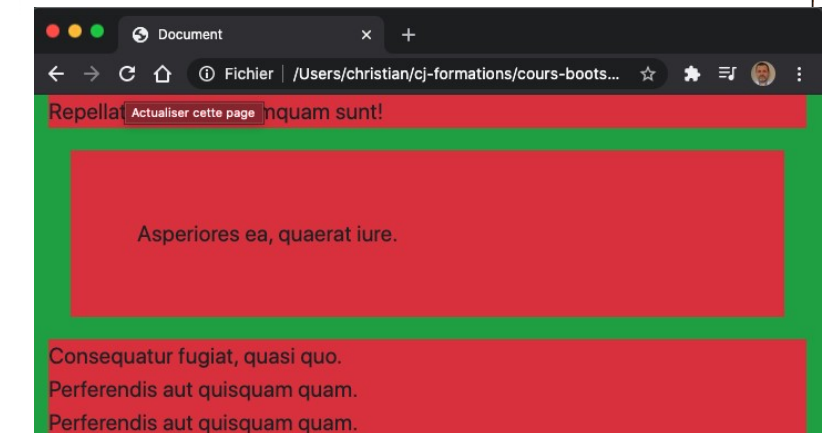
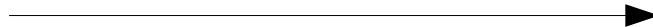
class="py-5"



class="px-5"

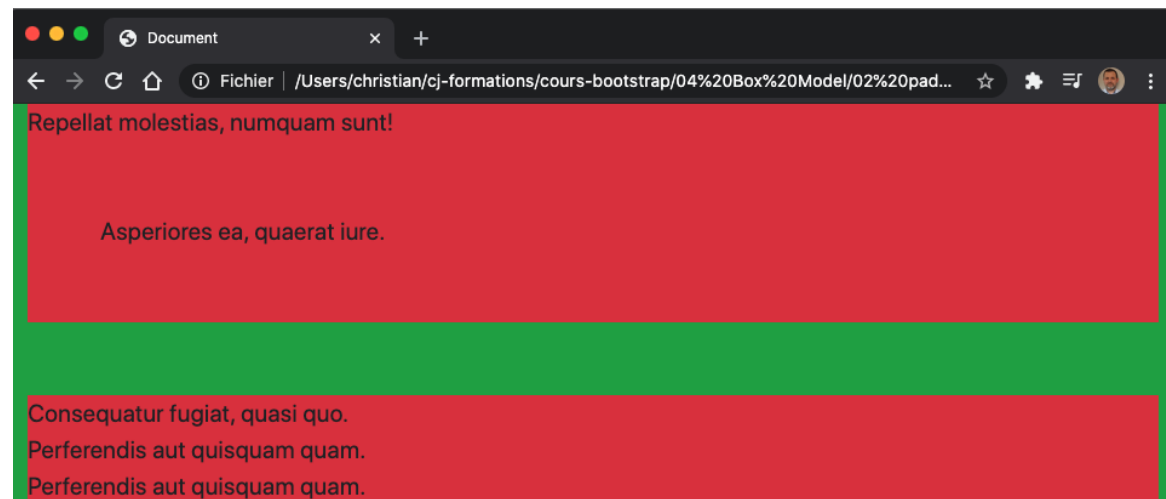
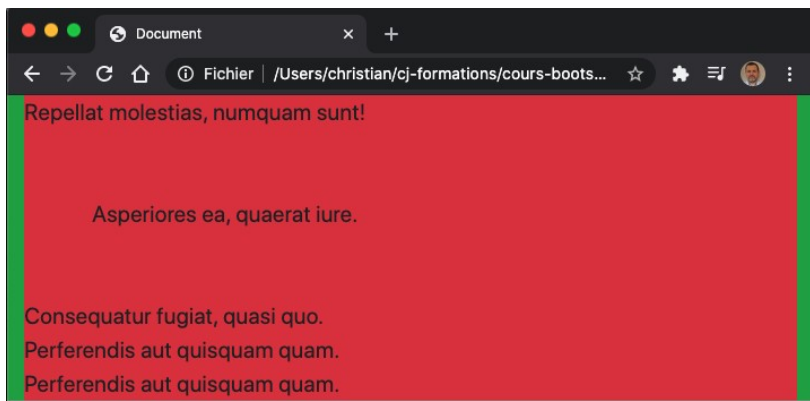


class="p-5"



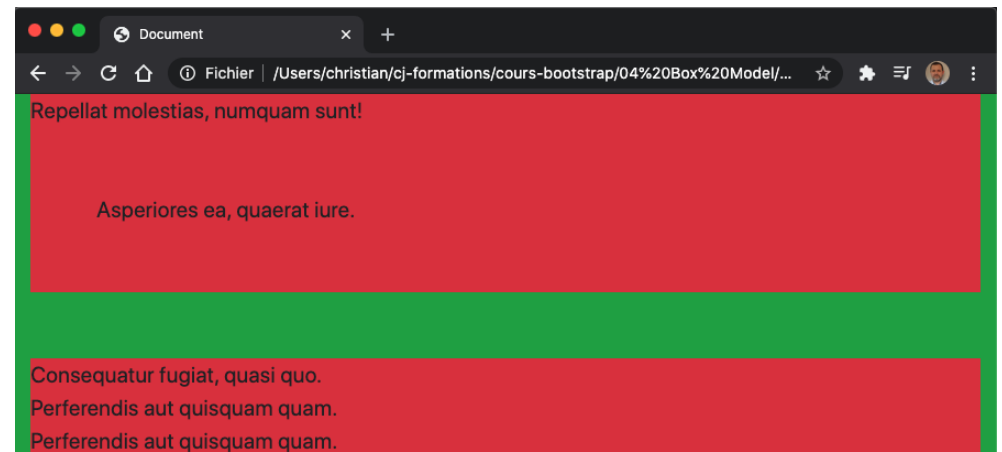
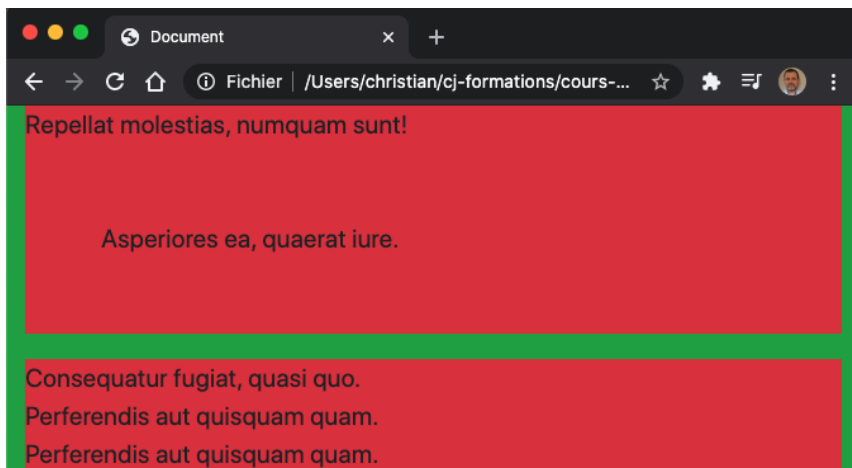
Démo responsive 1

```
<body>
  <section class="container-fluid bg-success" >
    <div class="bg-danger">Repellat molestias, numquam sunt!</div>
    <div class="bg-danger mb-md-5 p-5">Asperiores ea, quaerat
iure.</div>
    <div class="bg-danger">Consequatur fugiat, quasi quo.</div>
    <div class="bg-danger ">Perferendis aut quisquam quam.</div>
    <div class="bg-danger">Perferendis aut quisquam quam.</div>
  </section>
  <script src="js/jquery-3.3.1.slim.min.js"></script>
  <script src="js/bootstrap.bundle.min.js"></script>
</body>
```



Démo responsive 2

```
<body>
  <section class="container-fluid bg-success" >
    <div class="bg-danger">Repellat molestias, numquam sunt!</div>
    <div class="bg-danger mb-md-5 mb-3 p-5">Asperiores ea,
quaerat iure.</div>
    <div class="bg-danger">Consequatur fugiat, quasi quo.</div>
    <div class="bg-danger ">Perferendis aut quisquam quam.</div>
    <div class="bg-danger">Perferendis aut quisquam quam.</div>
  </section>
  <script src="js/jquery-3.3.1.slim.min.js"></script>
  <script src="js/bootstrap.bundle.min.js"></script>
</body>
```





Synthèse margins et paddings

On retiendra les formules, c'est beaucoup plus facile à retenir, surtout remarquez que toutes ces classes sont responsives.

Ce qui est magique avec Bootstrap, c'est que vous pouvez modifier les éléments en fonction de la largeur de l'écran.