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february, 2017

CSS-recipes

key strategic tips

<epam>

Basic notions

main approaches of web-development

Progressive enhancement

- 🟢 **Basic User Interaction for OLDER browsers**
- 🟢 **Content and functional representation for OLDER browsers**
- 🟡 *JS*
- 🟡 *CSS3*

Graceful degradation

- 🟢 **JS**
- 🟢 **CSS3**
- 🟢 **User Interaction for MODERN browsers**
- 🟢 **Content and functional representation for MODERN browsers**
- 🔴 *Support for OLDER browsers*

Mobile First

- 🟢 **UI focusing on the most important aspects**
- 🟢 **Simplicity and clarity of interface**
- 🟡 *JS*
- 🔴 *Support for OLDER browsers*

Desktop First

- 🟢 **Applicable for big portals with hundreds of items**
- 🟡 *Support for OLDER browsers*

Adaptive Web

- 🟢 **One version of site**
- 🟢 **Ability to update design for another devices**
- 🟡 *Optimal utilization of all devices*
- 🟡 *Continuity interface*

Responsive Web

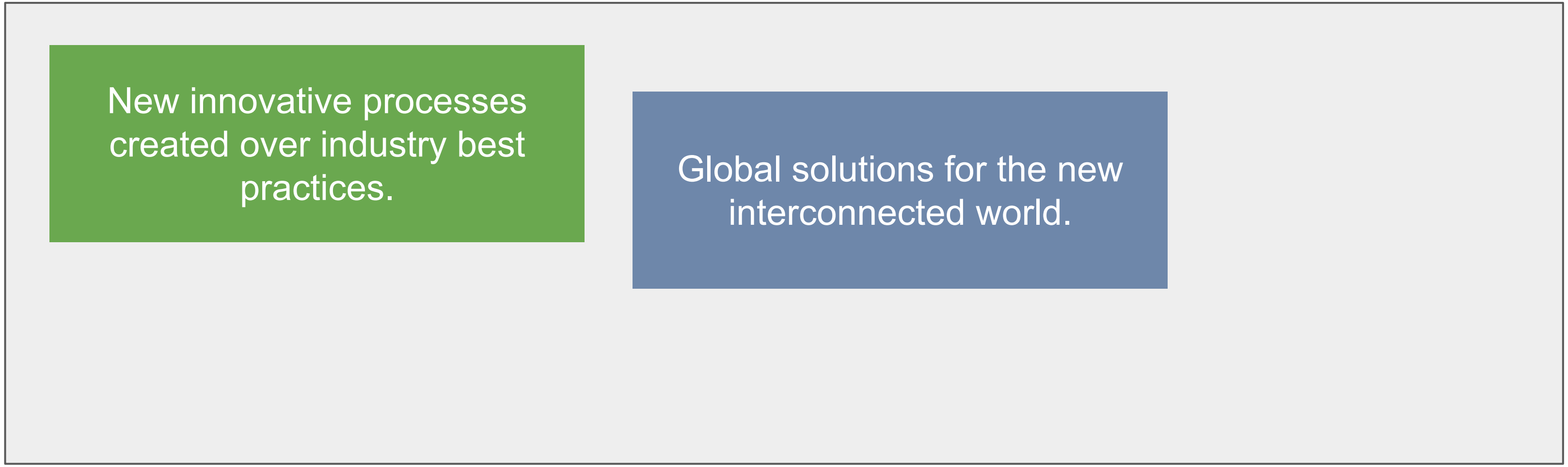
- 🟢 **One version of layout**
- 🟢 **Necessity of initial requirements for whole interface design**
- 🟢 **Optimal utilization of all devices**
- 🟢 **Continuity interface**

Alignment

vertical and horizontal positioning

Vertical Alignment

vertical-align and display: **inline-block** → alignment on **baseline**

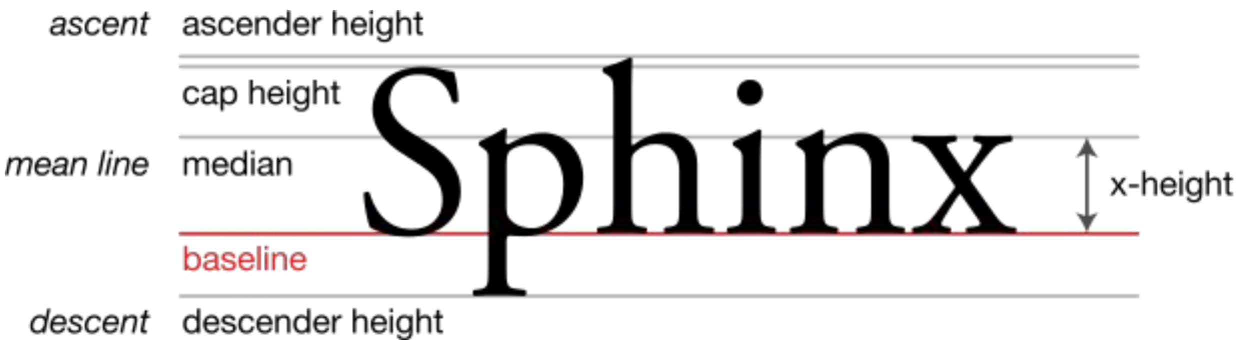


New innovative processes created over industry best practices.

Global solutions for the new interconnected world.

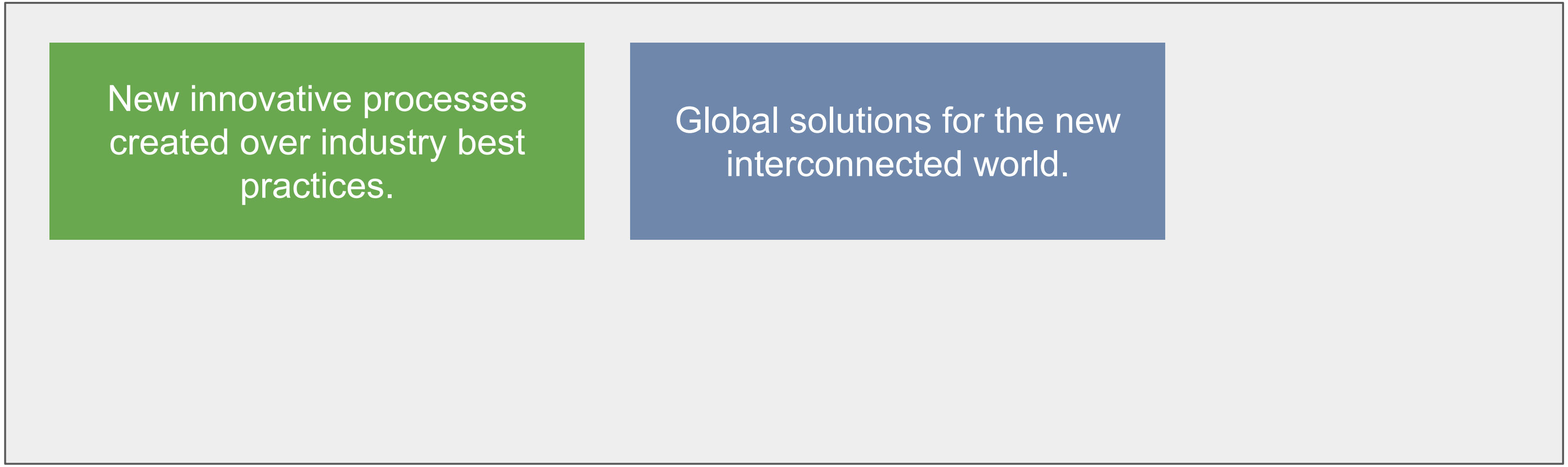
Vertical Alignment

baseline and **x-height**



Vertical Alignment

vertical-align and display: **table-cell** → alignment on **container**



New innovative processes created over industry best practices.

Global solutions for the new interconnected world.

Useful links

★ https://developer.mozilla.org/en/docs/Web/CSS/vertical-align

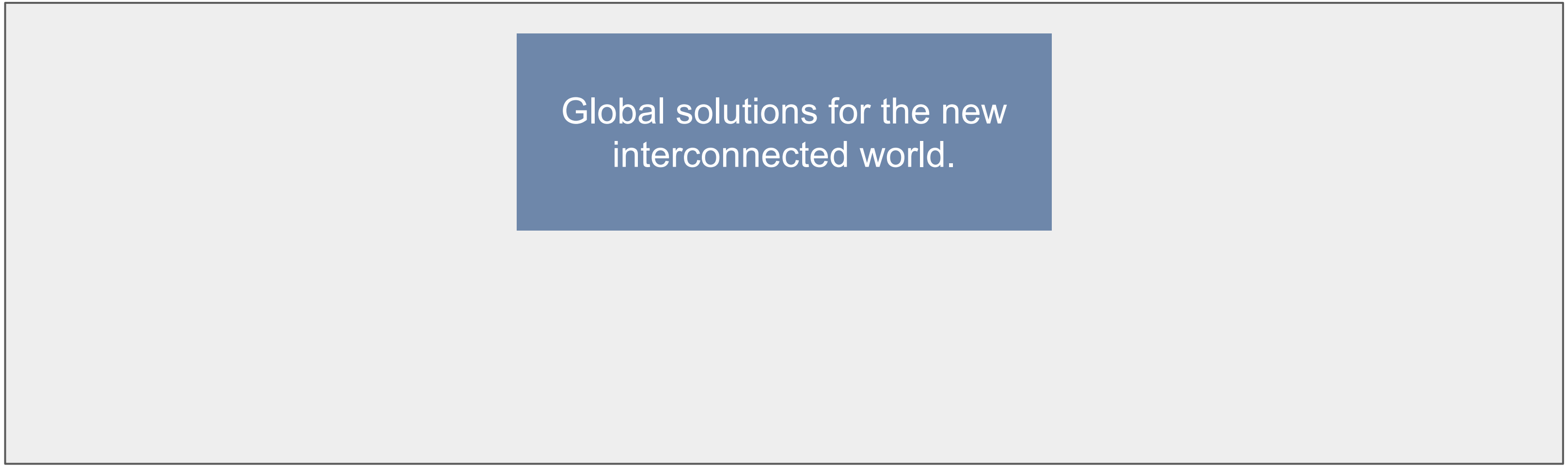
★ http://css-tricks.com/what-is-vertical-align/

★ http://stackoverflow.com/questions/19366401/my-inline-block-elements-are-not-lining-up-properly

★ https://web-standards.ru/articles/vertical-align/

Horizontal Alignment

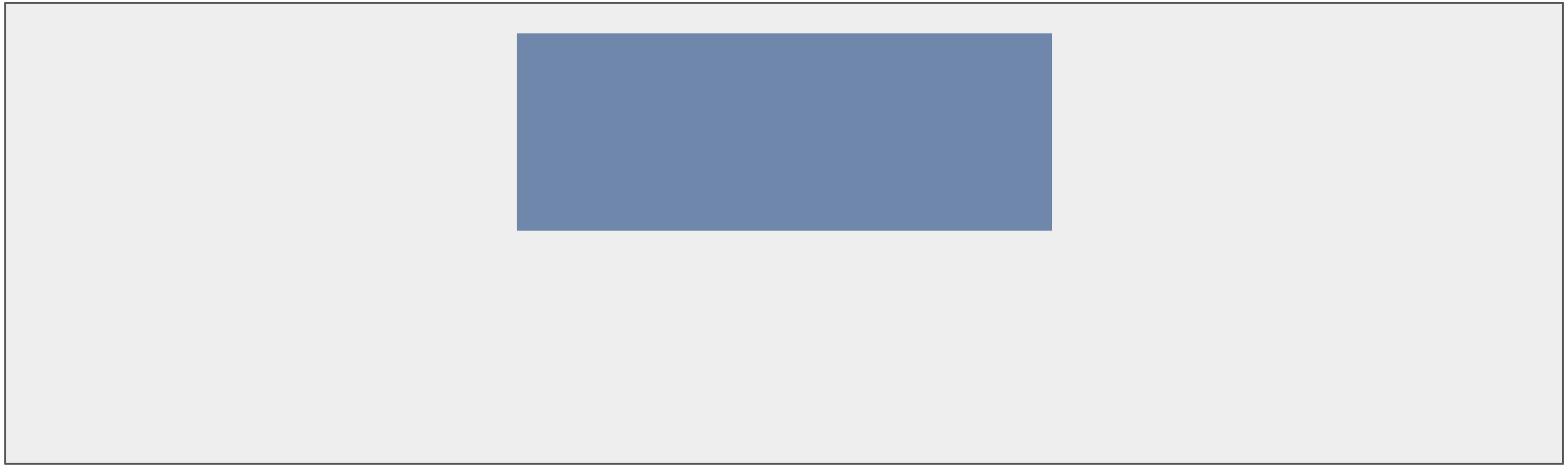
text-align:center for **inline** or **inline-block** → alignment on **container**



Global solutions for the new interconnected world.

Horizontal Alignment

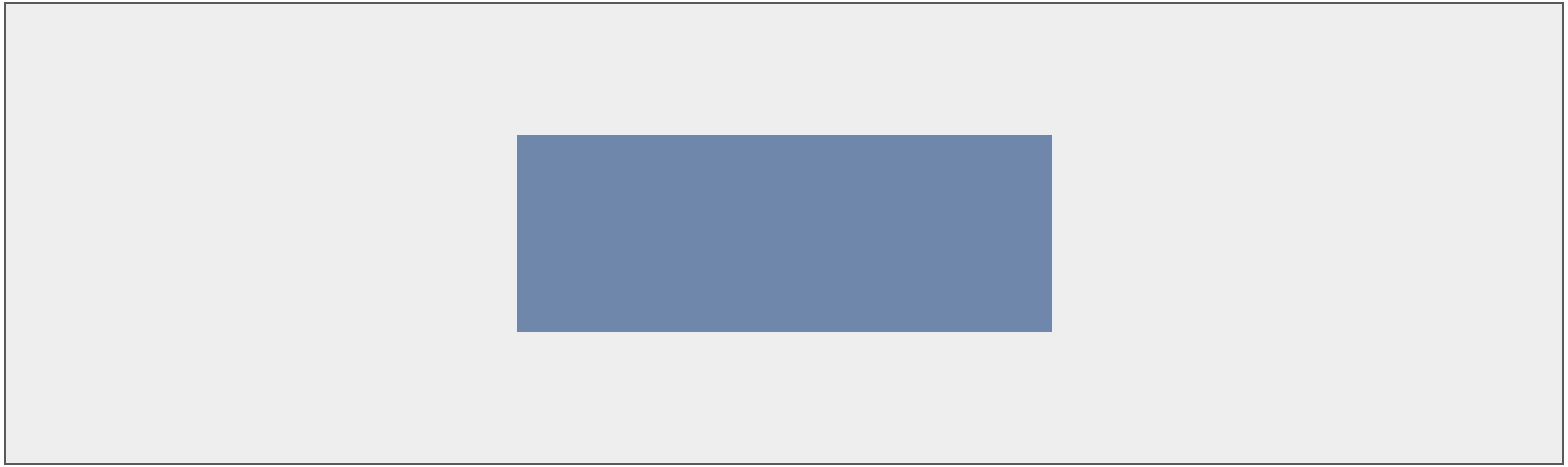
margin: 0 auto; and display: **block**;



Middle of Screen (1st way)

strict size, element’s **position** (absolute)

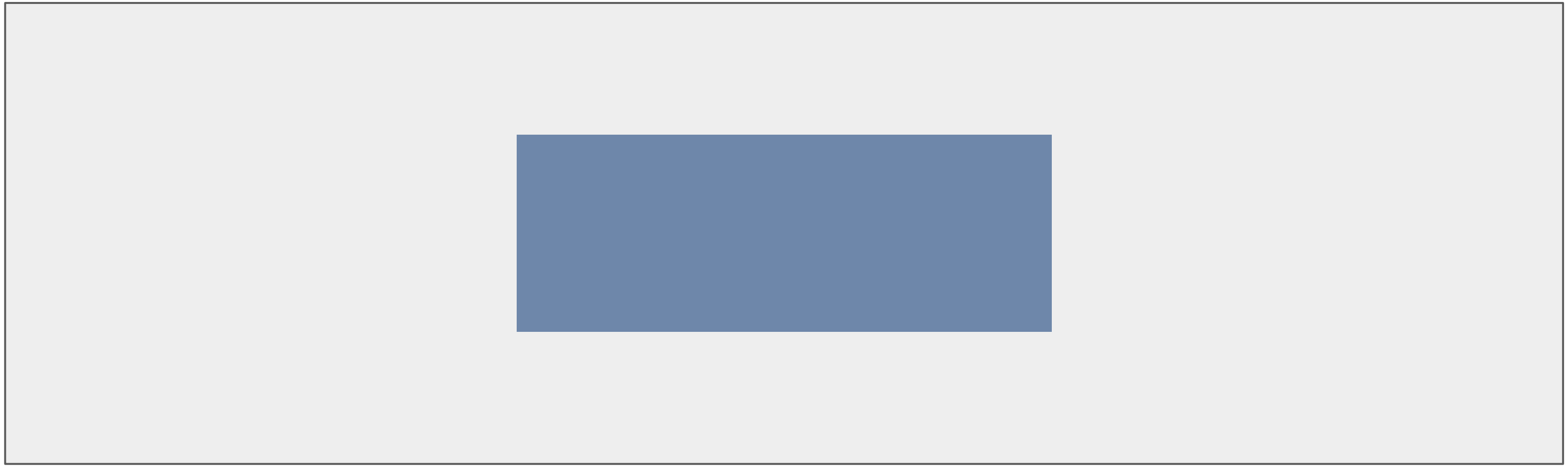
left (50%)**,** **top** (50%)**,** **margin** (size/2)



Middle of Screen (2nd way)

strict size, parent’s **position** (relative), element’s **position** (absolute)

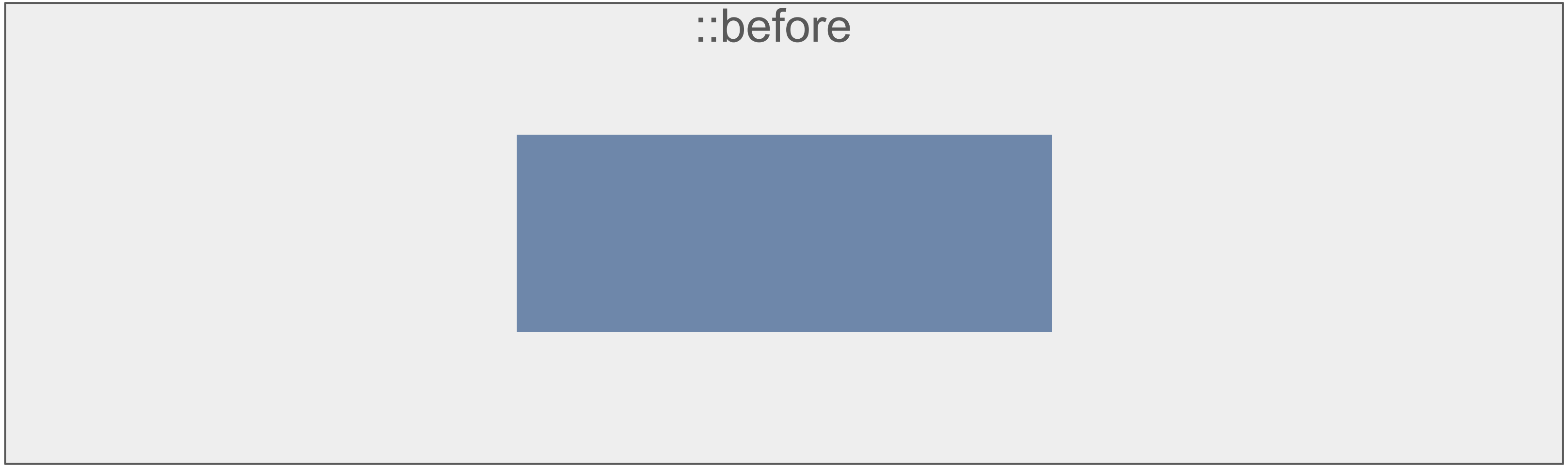
left (0), **top** (0), **bottom** (0), **right** (0), **margin** (auto)



Middle of Screen (3rd way)

non-strict size, parent’s **position** (relative), element’s **display** (inline-block)

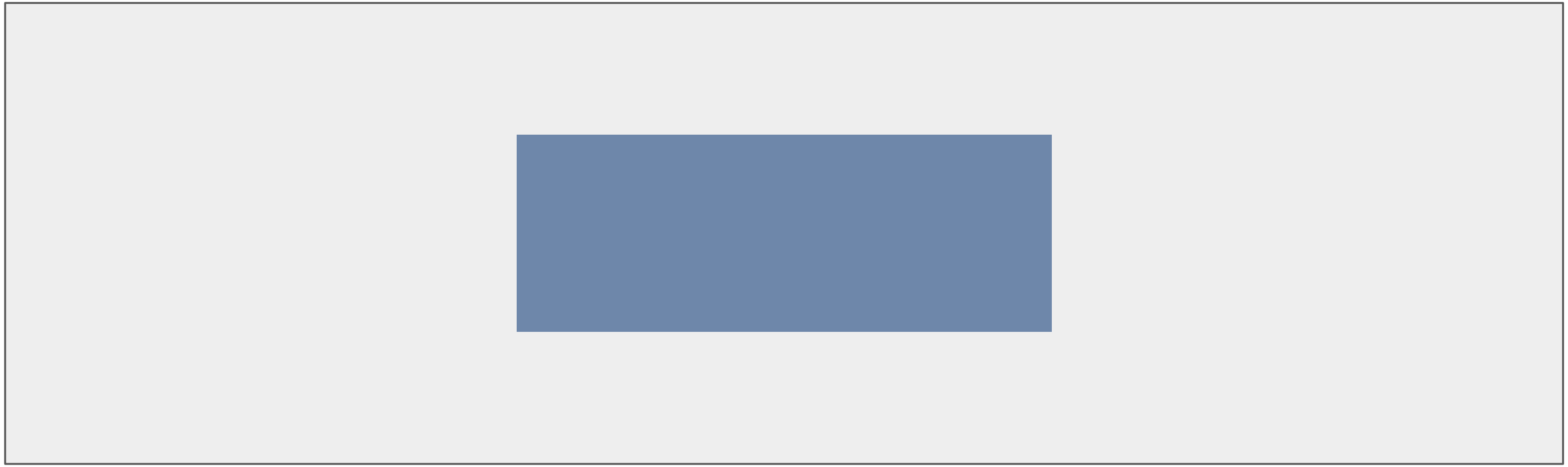
::before contains **width** (1%), **height** (100%), **vertical-align** (middle)



Middle of Screen (4th way)

non-strict size, parent’s **position** (relative), element’s **position** (absolute)

left (50%)**, top** (50%)**, transform: translate(**-50%, -50%**);**



Useful links

★ https://www.w3.org/Style/Examples/007/center.en.html

★ https://css-tricks.com/centering-css-complete-guide/

★ https://www.smashingmagazine.com/2013/08/absolute-horizontal-vertical-centering-css/

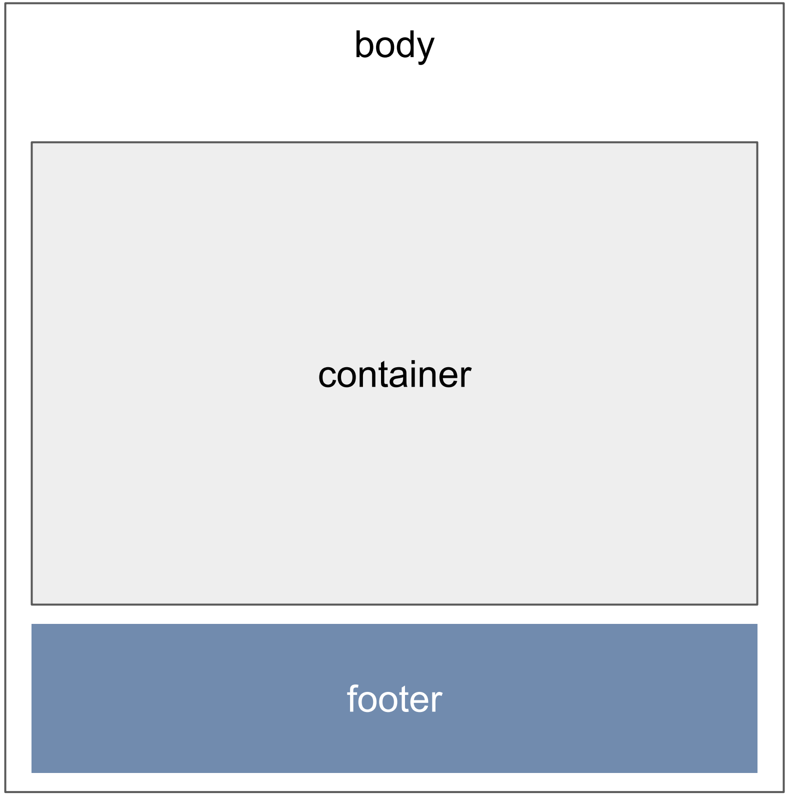
Footer to bottom (1st way)

html { **height: 100%;** }

body { **min-height: 100%; position: relative;** }

container { padding-bottom:70px; }

footer { **position: absolute;** height: 70px; left:0; bottom:0;}



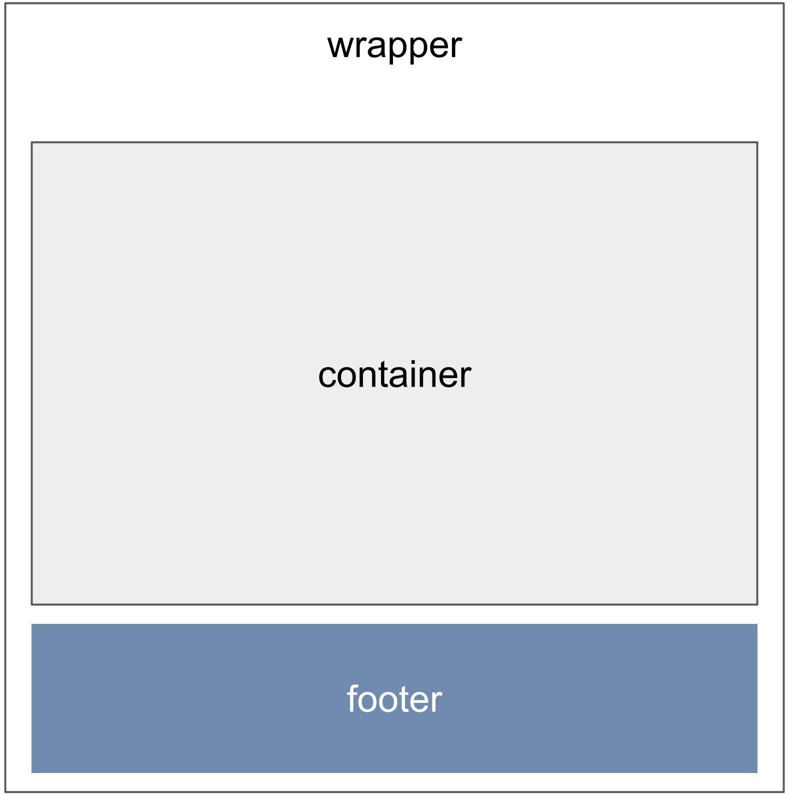
Footer to bottom (2nd way)

html { **height: 100%;** } body { **height: 100%;** }

wrapper { **height: 100%;** }

container { **min-height: 100%;** box-sizing: border-box; padding-bottom: 70px; }

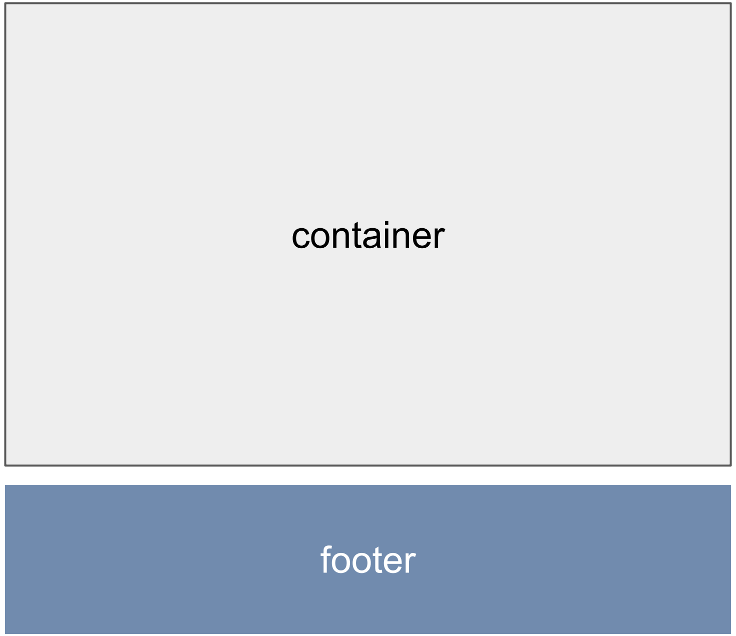
footer { box-sizing: border-box; height: 70px; margin-top: -70px; }



Footer to bottom (3rd way)

```
container { calc(100vh - 70px);
box-sizing: border-box; }
```

```
footer { box-sizing: border-box; height: 70px; }
```



Useful links

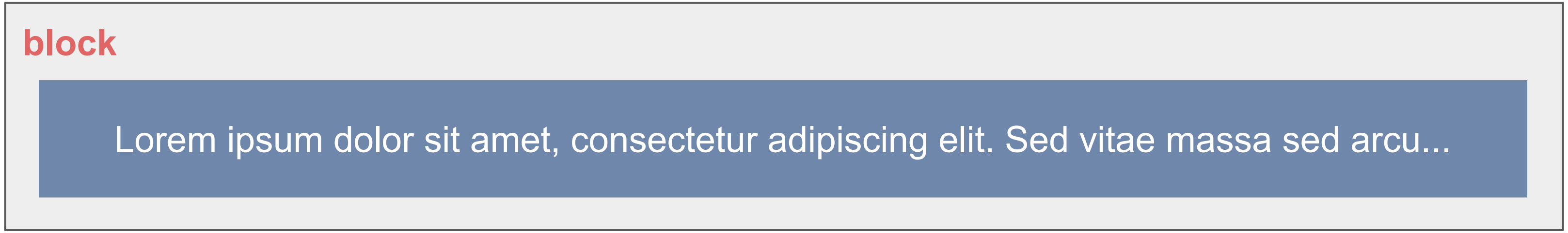
- ★ 1st way example
- ★ 2st way example
- ★ 3st way example

Popular recipes

necessary practical approaches

Text Overflow

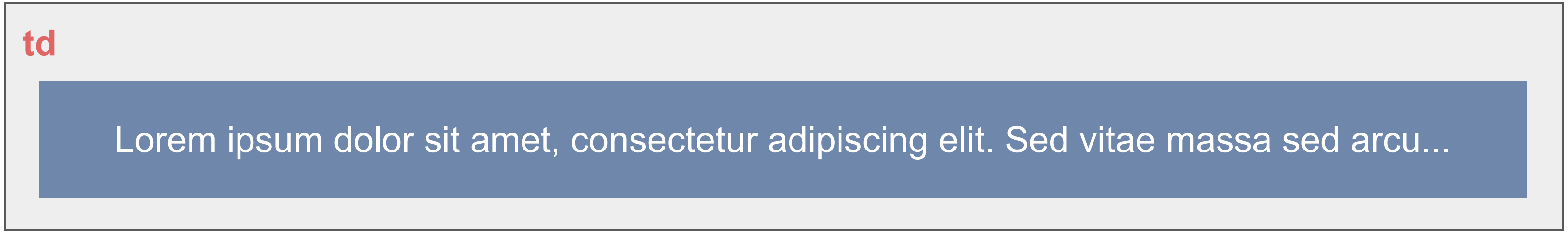
overflow (hidden), **text-overflow** (ellipsis), **white-space** (nowrap)



block

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed vitae massa sed arcu...

+ **table-layout** (fixed) for <table>



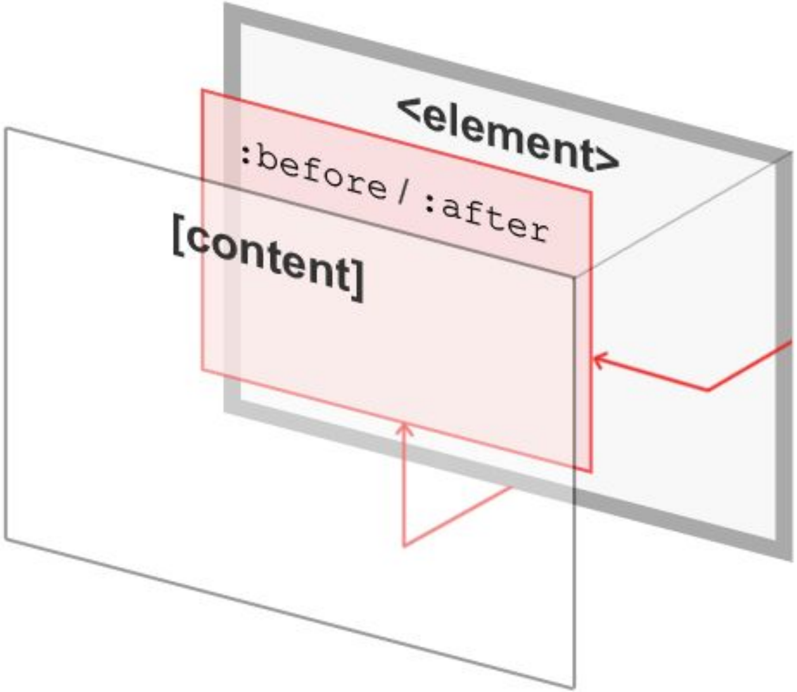
td

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed vitae massa sed arcu...

Useful links

- ★ https://css-tricks.com/snippets/css/truncate-string-with-ellipsis/
- ★ https://software.intel.com/en-us/html5/hub/blogs/ellipse-my-text/
- ★ http://dev.mobify.com/blog/multiline-ellipsis-in-pure-css/

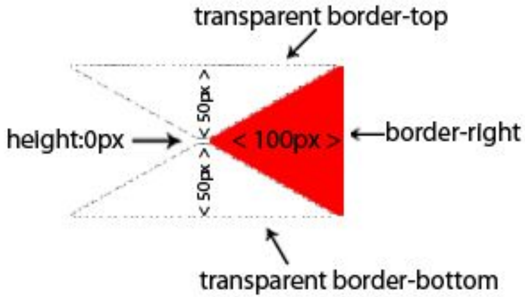
Operations with ::before, ::after

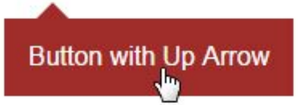


Operations with ::before, ::after

```
<div class="example">Button with Up Arrow</div>


.example::before {
        content: "";
        display: block;
        width: 0px;
        height: 0px;
        border-style: solid;
       border-width: 0 100px 100px 100px;
       border-color: transparent transparent red transparent;
}
```





Operations with ::before, ::after

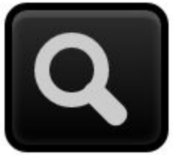
```
<a class="tooltip" title=”This is some information for our tooltip.”>
        <span>CSS3 Tooltip</span>
</a>
```

```
.tooltip:hover::before {
        triangle styles
}
```

```
.tooltip:hover::after {
        tooltip’s box styles (background and font)
}
```

CSS3 Tooltip

Operations with ::before, ::after



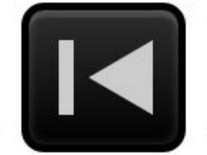
```
.icon::before {
    circle styles

    content: "";
    position: absolute;
    top: 3px;
    left: 3px;
    width: 6px;
    height: 6px;
    border: 2px solid #ccc;
    border-radius: 14px;
}
```

```
.icon::after {
    line styles

    content: "";
    position: absolute;
    top: 9px;
    left: 11px;
    width: 3px;
    height: 7px;
    margin-top: 0;
    background: #ccc;
    transform: rotate(-45deg);
    border-radius: 2px;
}
```

Operations with ::before, ::after



```
.icon::before {
   line styles

    content: "";
    display: block;
    height: 10px;
    width: 0;
    border-left: solid 2px #ccc;
    position: absolute;
    top: 4px;
    left: 4px;
}
```

```
.icon::after {
   triangle styles

    content: "";
    height: 0;
    width: 0;
    border-style: solid;
    border-width: 5px 9px 5px 0;
    border-color: transparent #ccc transparent transparent;
    position: absolute;
    top: 4px;
    left: 8px;
}
```

Useful links

★ https://developer.mozilla.org/en-US/docs/Web/CSS/Pseudo-elements

★ https://css-tricks.com/almanac/selectors/a/after-and-before/

★ https://css-tricks.com/pseudo-element-roundup/

★ https://www.amazeelabs.com/en/blog/three-things-you-can-do-with-css-pseudo-elements

★ https://www.smashingmagazine.com/2011/03/styling-elements-with-glyphs-sprites-and-pseudo-elements/

★ TOOLTIP

★ ICONS

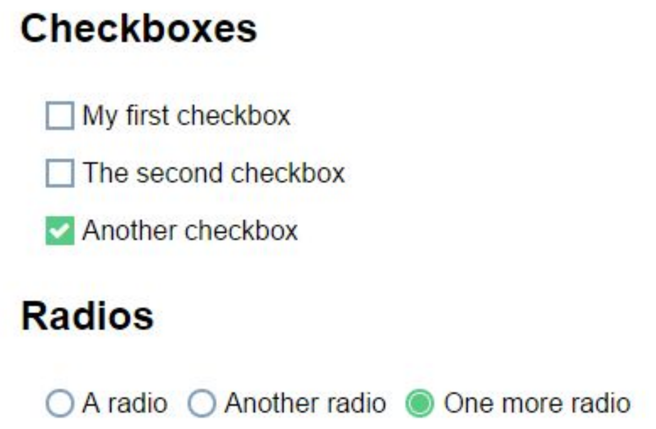
Customization (input + label)

```
<input id=”inputId”  />
<label for=”inputId”>Custom style</label>

input {
        display: none;
}

input + label {
        custom input styles (inactive)
}

input:checked + label {
        custom input styles (active)
}
```



Checkboxes

□ My first checkbox

□ The second checkbox

☑ Another checkbox

Radios

○ A radio ○ Another radio ● One more radio

Useful links

- ★ https://css-tricks.com/float-labels-css/
- ★ http://htmlbook.ru/blog/kartinka-vmesto-chekboksa

Tables

options of table layout

Table Layout

table-layout: **auto** *(default)*

Column 1	Column 2	Column 3
This is your text.	This is yoooooooooooooooooooooooooooour text.	This is your text.

table-layout: **auto** + **width**: **100%**

Column 1	Column 2	Column 3
This is your text.	This is yoooooooooooooooooooooooooooour text.	This is your text.

Table Layout

table-layout: fixed

Column 1	Column 2	Column 3
This is your text.	This is yoooooooooooooooooooooooooooour text.	This is your text.

table-layout: fixed + width: 100%

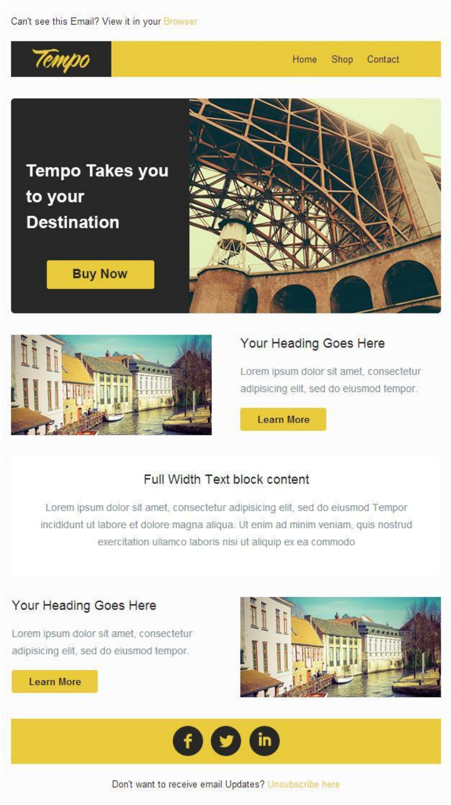
Column 1	Column 2	Column 3
This is your text.	This is yoooooooooooooooooooooour text.	This is your text.

Useful links

- Scrolling in table
- https://www.w3.org/wiki/CSS/Properties/table-layout
- https://css-tricks.com/almanac/properties/t/text-overflow/

Emails*

- **Table** structure of frame and content items (**<table>** *inside* **<table>**)
- **Fixed** size of main container
- Use and support of **obsolete** properties and attributes (**align**, **bg-color**, **width**)
- Possibility of **adaptive** layout



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Tempo Takes you to your Destination

Your Heading Goes Here

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Full Width Text block content

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod Tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

Your Heading Goes Here

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor.

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Useful links

- ★ Example #1
- ★ Adaptive email-letters
- ★ https://litmus.com/community/templates

GOOD NIGHT *and* GOOD LUCK