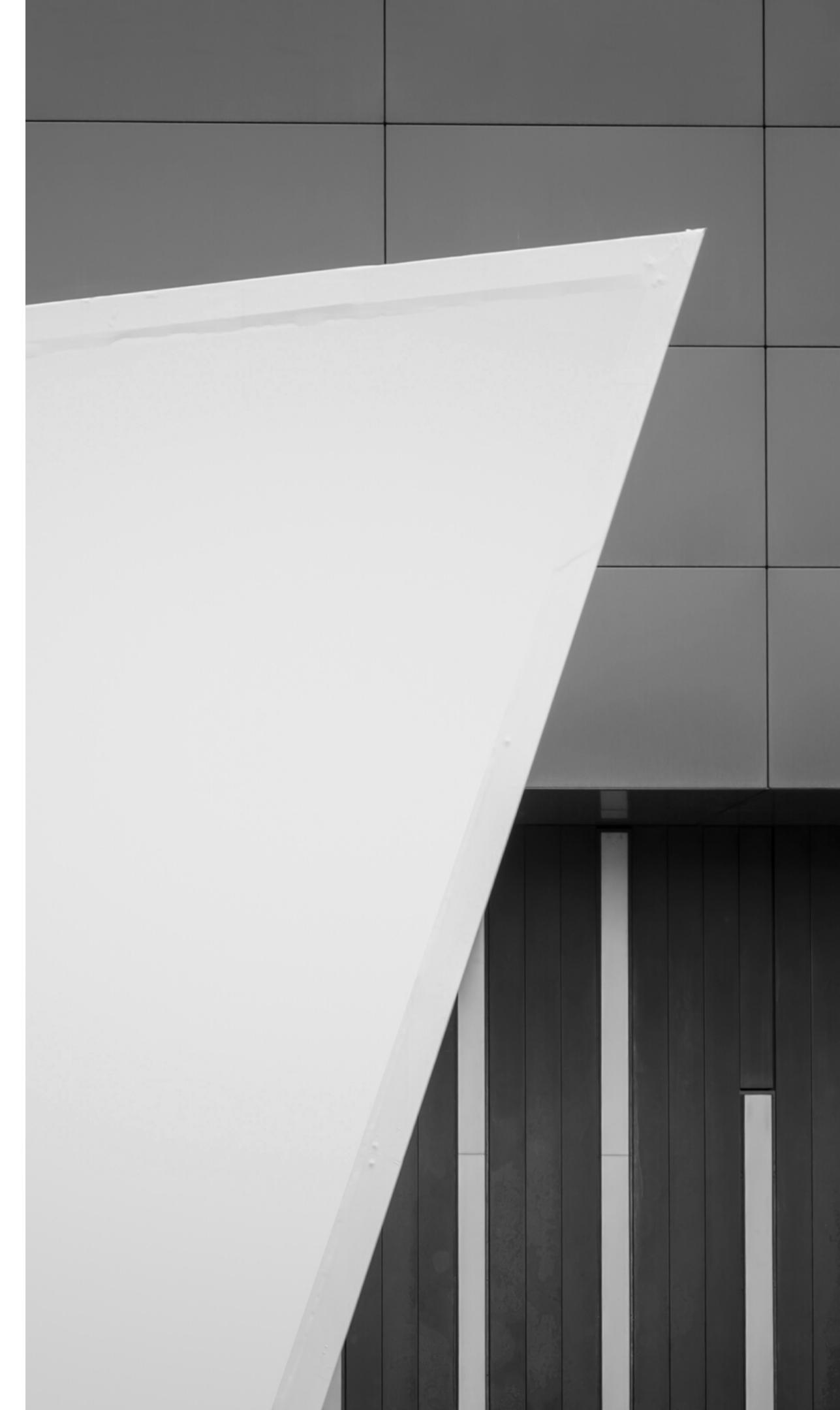
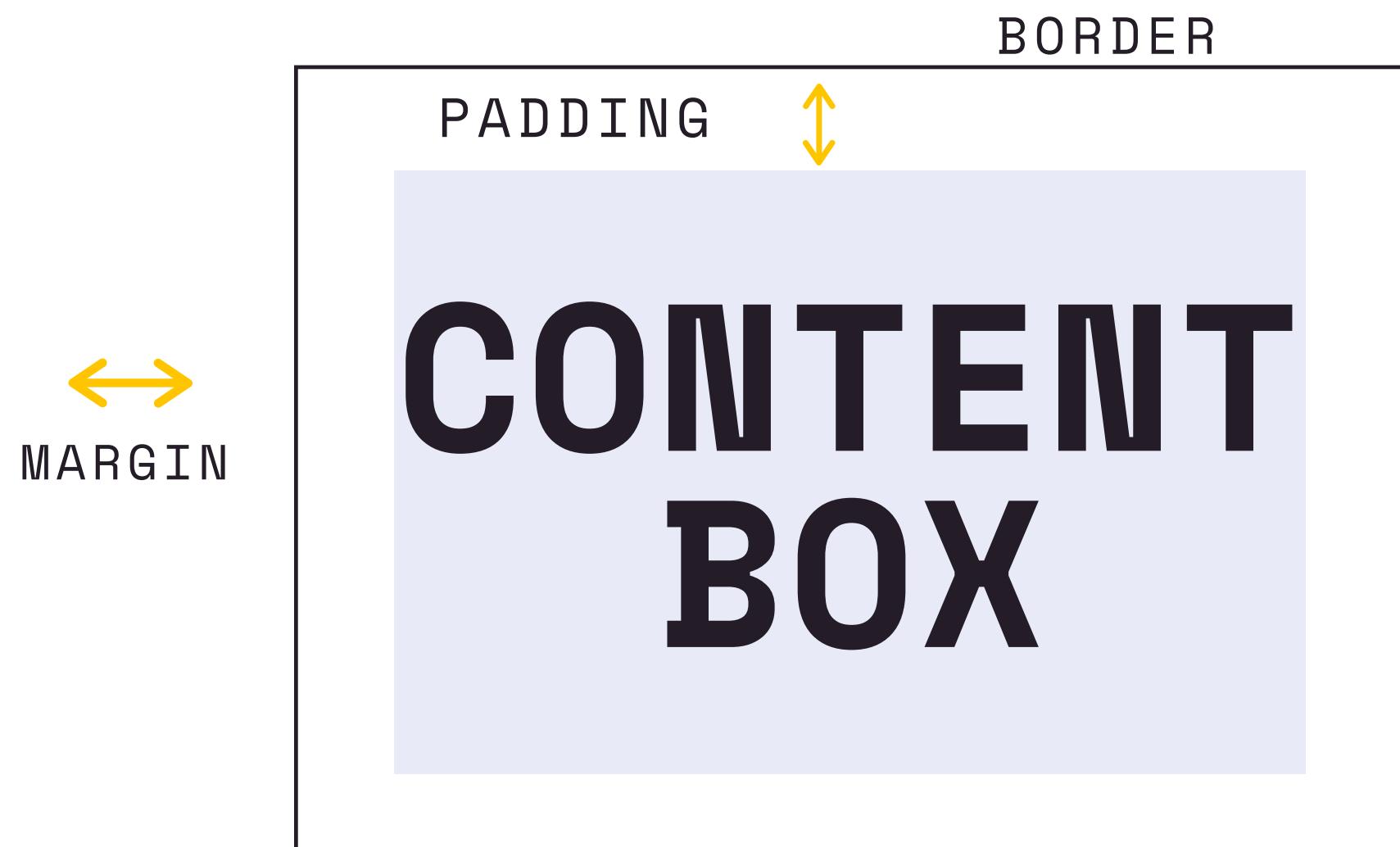


THE CSS BOX MODEL

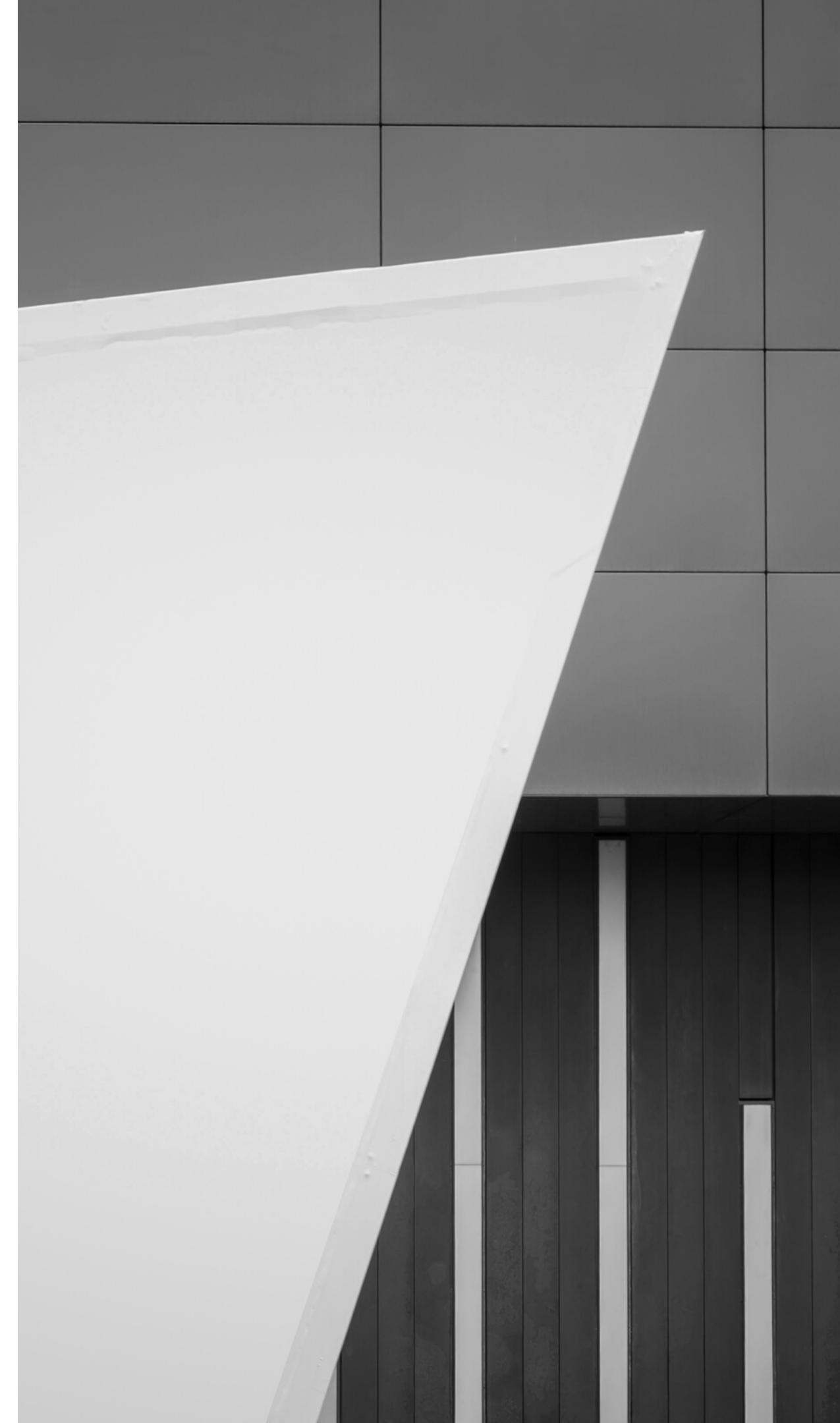
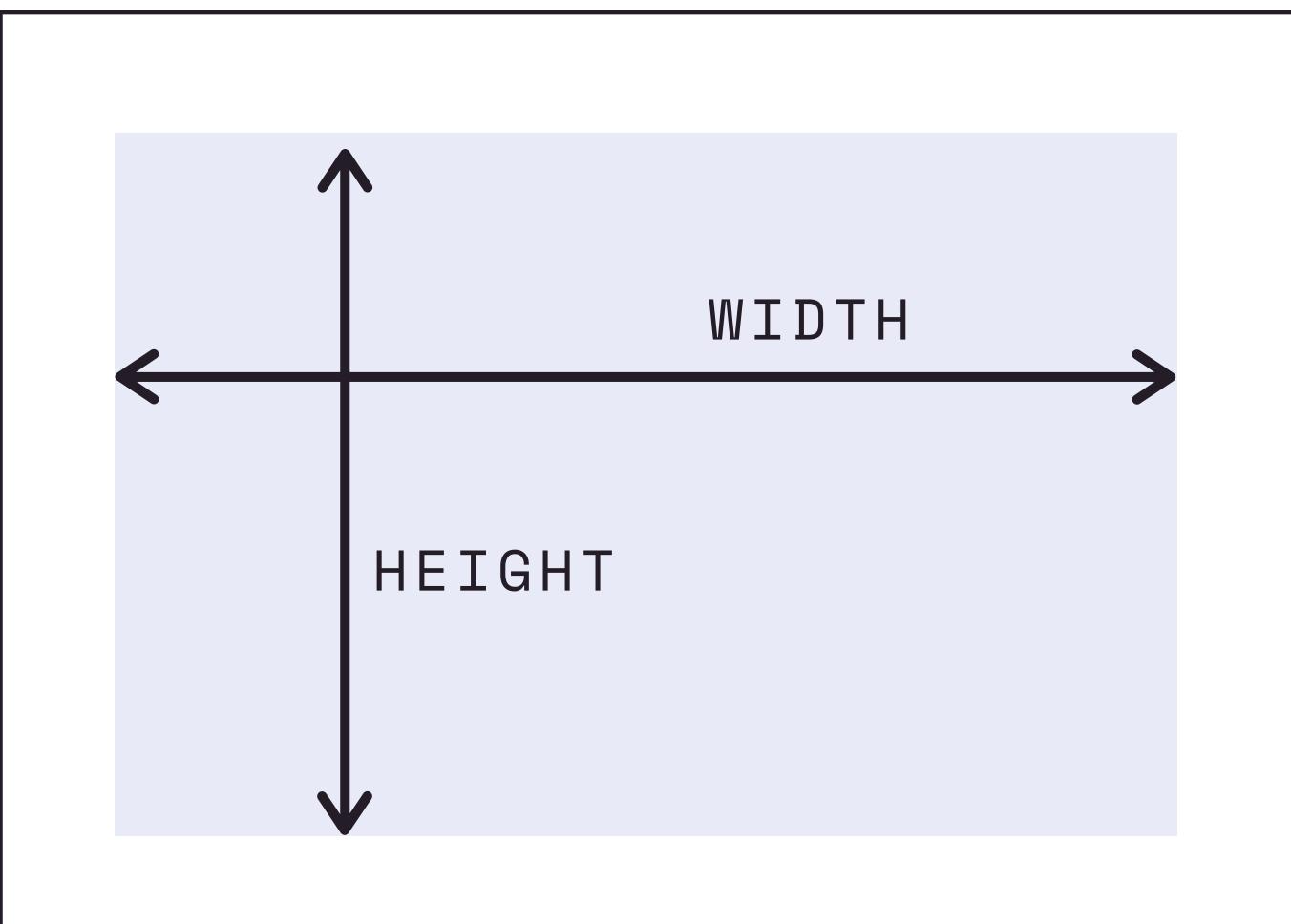


The Box Model



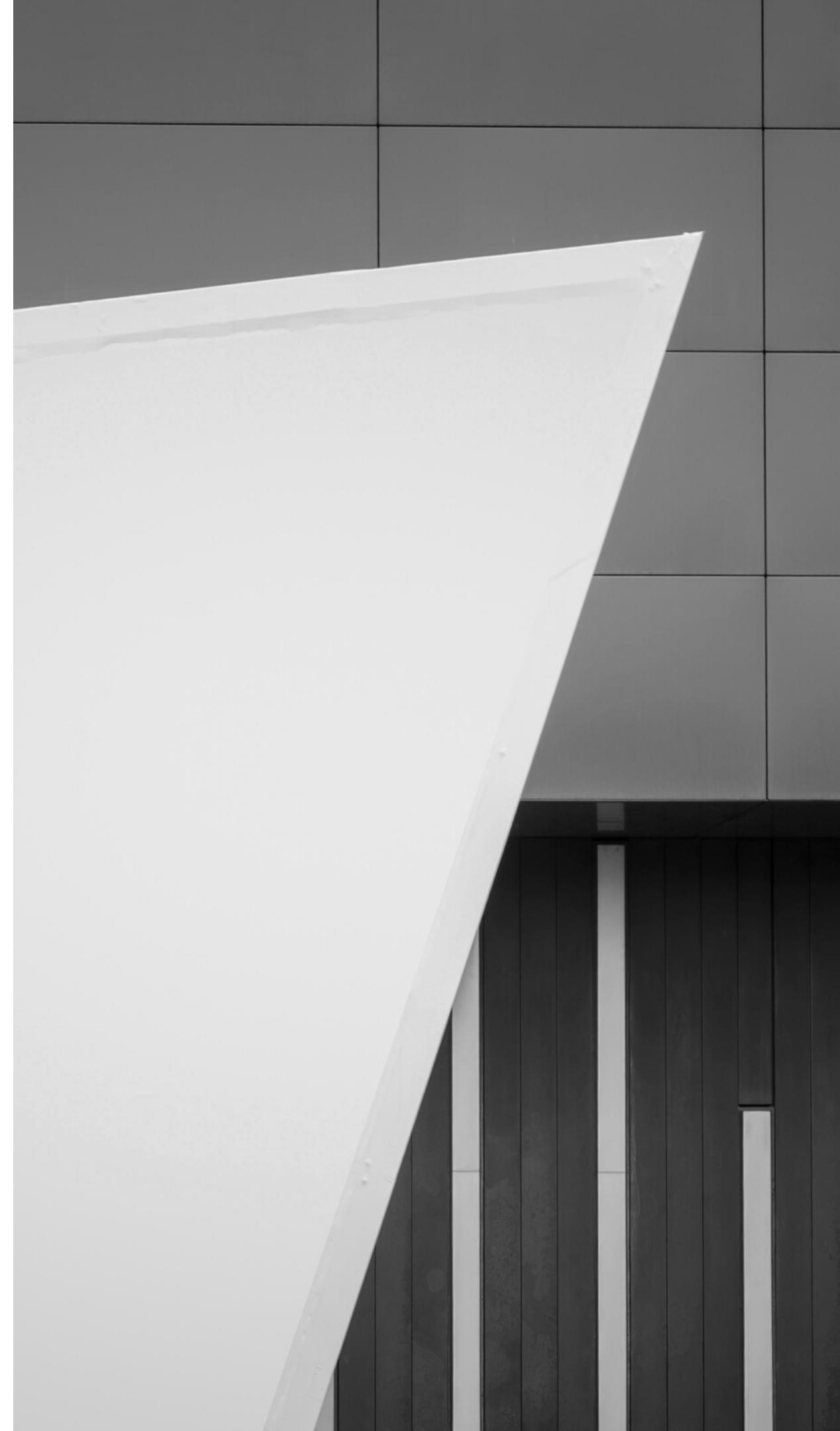
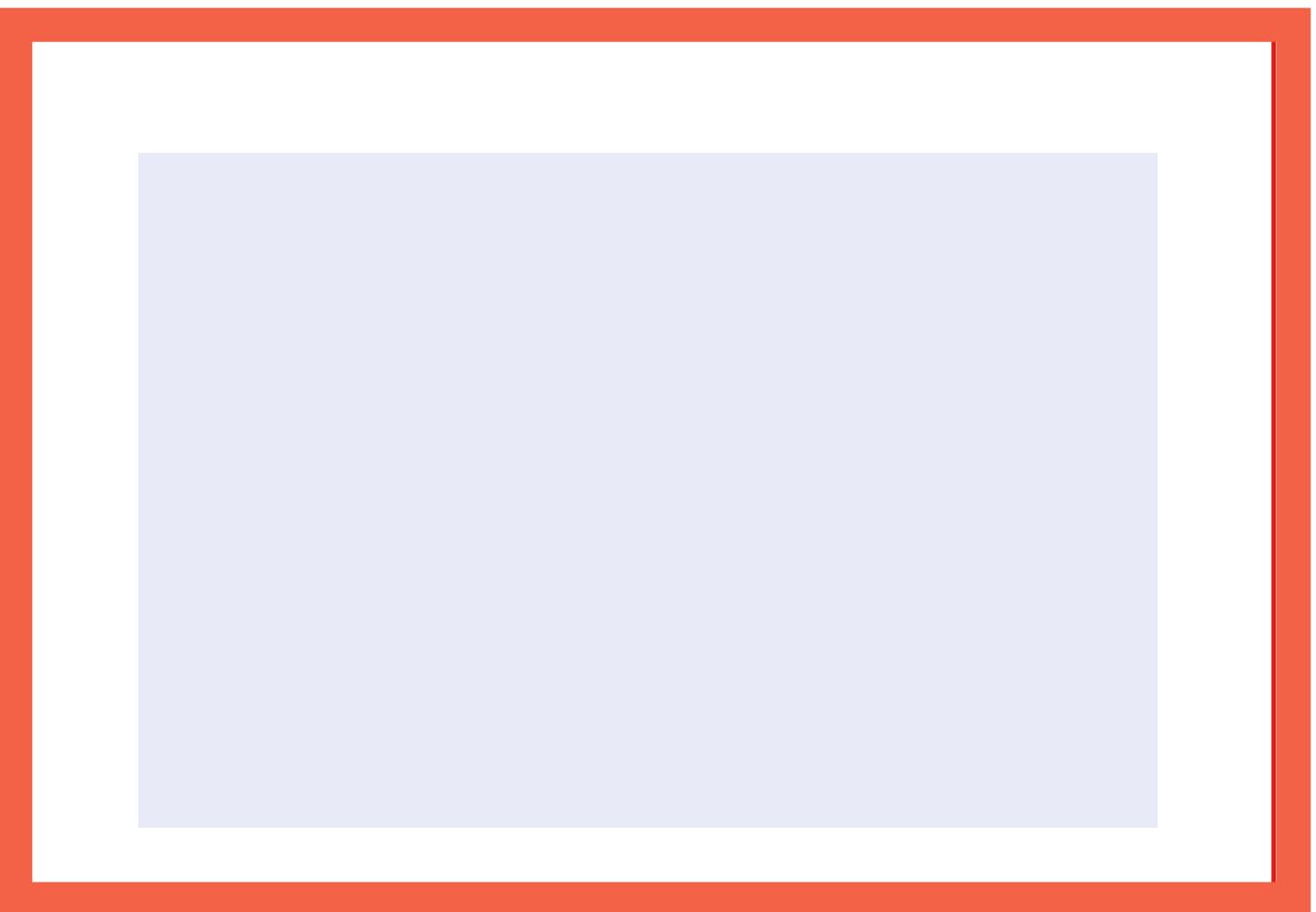


Width & Height





Border



Border Properties

(the important ones)

BORDER-WIDTH

Controls the thickness of the border.

BORDER-COLOR

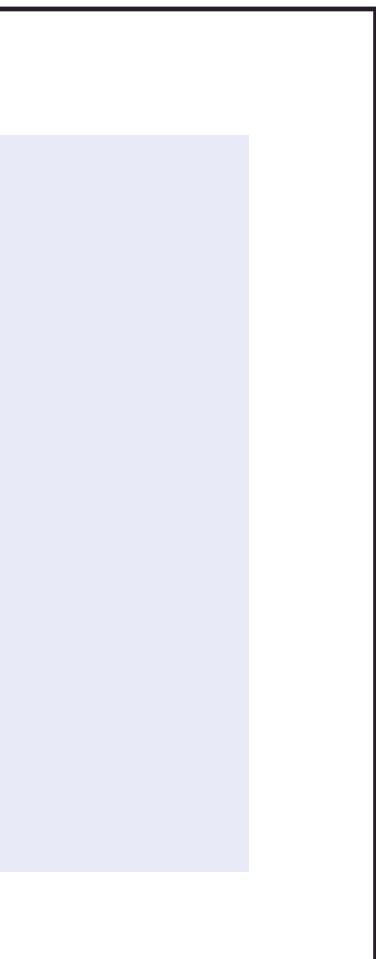
Controls the...color of the border

BORDER-STYLE

Controls the line style - dashed, solid, etc.



file icon
CSS



```
="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-sca  
ef="/favicon.ico" type="image/x-icon">  
icon.ico" type="image/x-icon">  
  
'stylesheet' href="css/materialize.min.css" media="screen, print">  
f="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/  
ef="/css/animate.css">  
ef="/css/theme.css">  
  
rapper">  
tainer">  
class="brand-logo hide-on-med-and-up"><span style="font-size:  
  
ainer">  
ow">  
12 m8 l8 hide-on-small-only">  
ight:400">starter</span><span style="font-size:  
stup network and workspace tab1">  
span id="banner-new">
```

Individual Properties

PADDING - LEFT

PADDING - RIGHT

PADDING - BOTTOM

PADDING - TOP

Shorthand Property

SET ALL FOUR SIDES AT ONCE !



Padding Shorthand Property

Apply to all four sides

`padding: 10px;`

vertical | horizontal

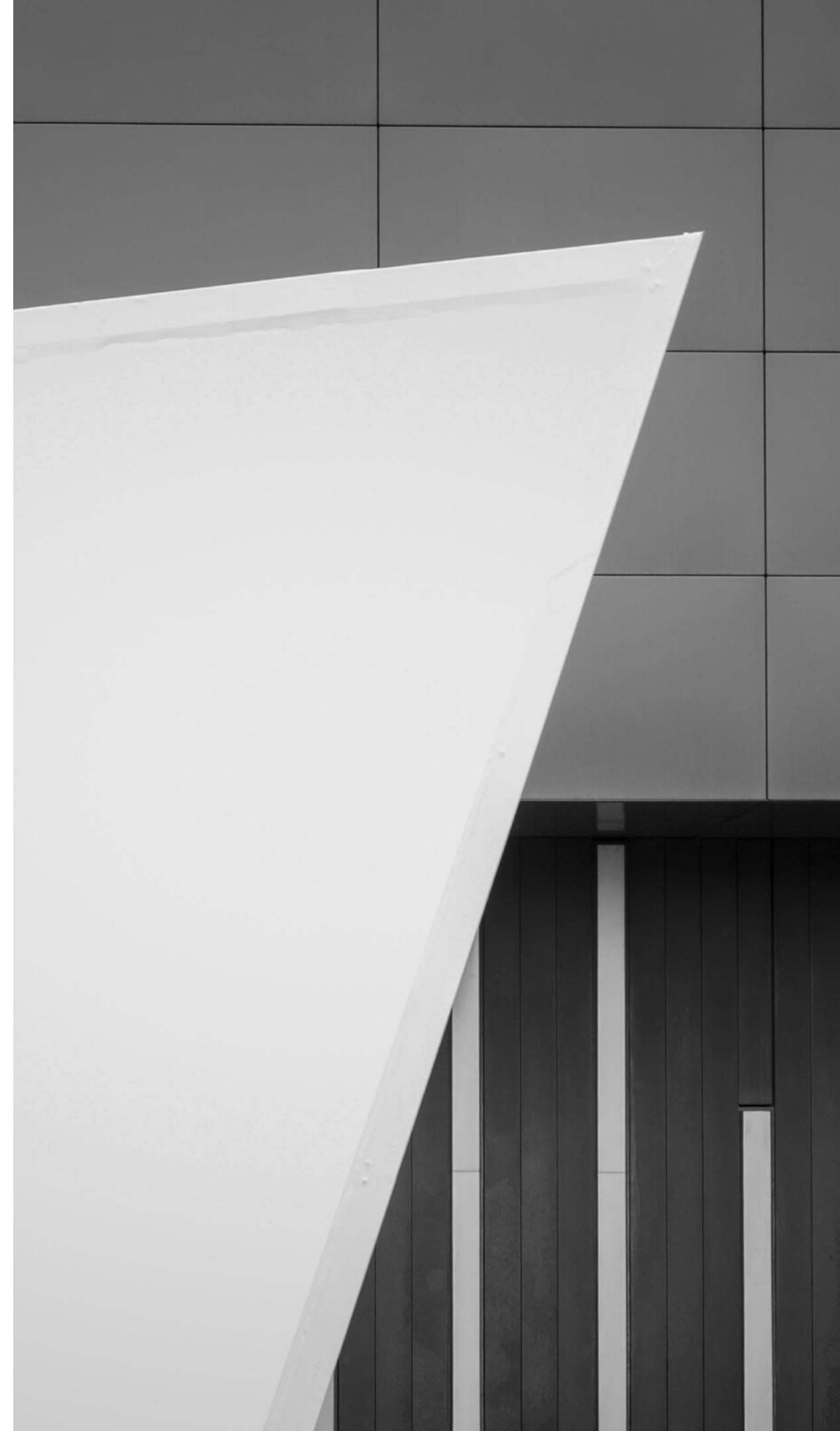
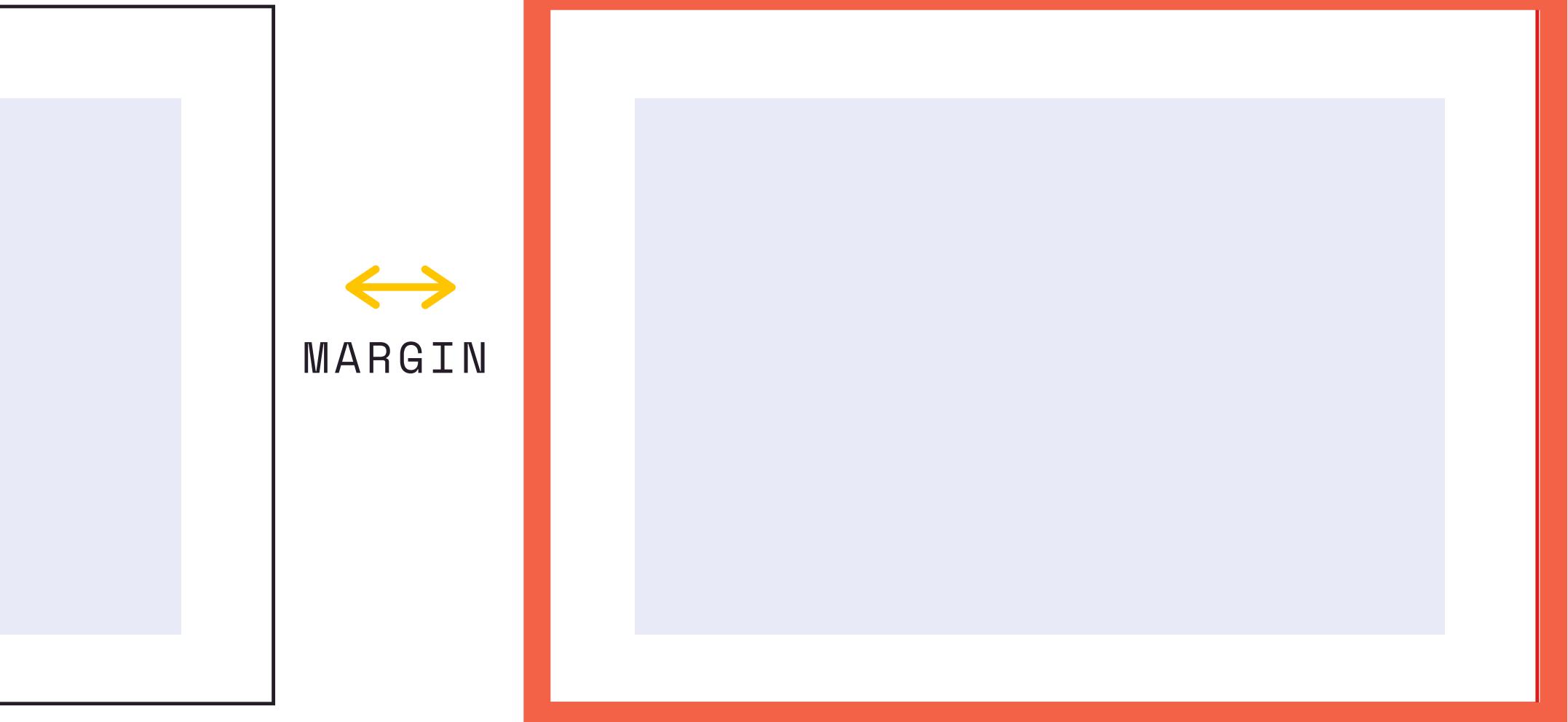
`padding: 5px 10px;`

top | horizontal | bottom

`padding: 1px 2px 2px;`

top | right | bottom | left

`padding: 5px 1px 0 2px;`



```
="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-sca  
ef="/favicon.ico" type="image/x-icon">  
icon.ico" type="image/x-icon">  
  
'stylesheet' href="css/materialize.min.css" media="screen, print">  
f="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/  
ef="/css/animate.css">  
ef="/css/theme.css">  
  
rapper">  
tainer">  
class="brand-logo hide-on-med-and-up"><span style="font-size:  
  
ainer">  
ow">  
12 m8 l8 hide-on-small-only">  
ight:400">starter</span><span style="font-size:  
up network and workspace tab!>  
span id="banner-create">  
nnect to your workspace </span>
```

Individual Properties

MARGIN-LEFT

MARGIN-RIGHT

MARGIN-BOTTOM

MARGIN-TOP

Shorthand Property

SET ALL FOUR SIDES AT ONCE !



Margin Shorthand Property

Apply to all four sides

`margin: 10px;`

vertical | horizontal

`margin: 5px 10px;`

top | horizontal | bottom

`margin: 1px 2px 2px;`

top | right | bottom | left

`margin: 5px 1px 0 2px;`

Display Property



INLINE ELEMENTS



- Inline elements fit in alongside other elements
- Block level elements take up a whole "block" of space.

BLOCK ELEMENTS



Display Property

(our first encounter)

INLINE

Width & Height are ignored. Margin & padding push elements away horizontally but not vertically.

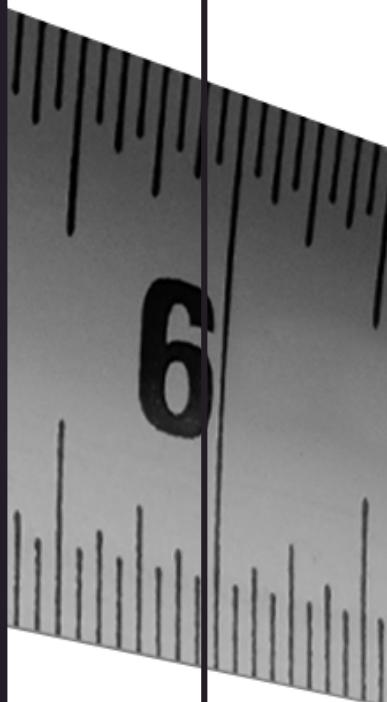
BLOCK

Block elements break the flow of a document. Width, Height, Margin, & Padding are respected.

INLINE-BLOCK

Behaved like an inline element except Width, Height, Margin, & Padding are respected

WEB DEVELOPER BOOTCAMP



CSS UNITS



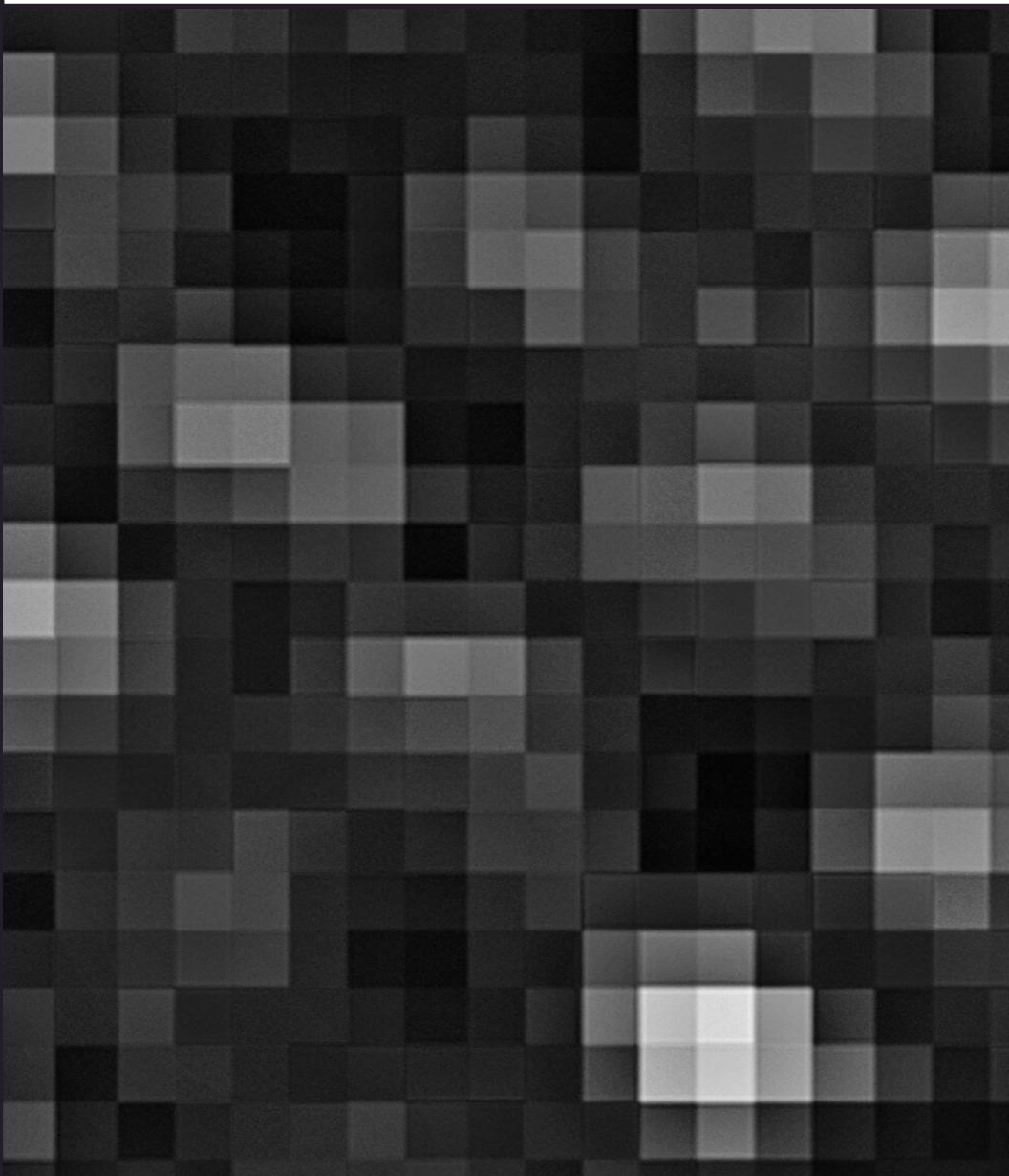
Relative

- EM
- REM
- VH
- VW
- %
- AND MORE!

Absolute

- PX
- PT
- CM
- IN
- MM

Absolute Units



**PX - BY FAR THE MOST
COMMONLY USED ABSOLUTE UNIT**

1px does not necessarily equal the width
of exactly one pixel!

Not recommended for responsive websites.

percentages



**PERCENTAGES ARE ALWAYS
RELATIVE TO SOME OTHER VALUE**

Sometimes, it's a value from the parent
and other times it's a value from the
element itself.

width: 50% - half the width of the parent

line-height: 50% - half the font-size of
the element itself

em



EM'S ARE RELATIVE UNITS

With font-size, 1em equals the font-size of the parent. 2em's is twice the font-size of the parent, etc.

With other properties, 1em is equal to the computed font-size of the element itself.

rem

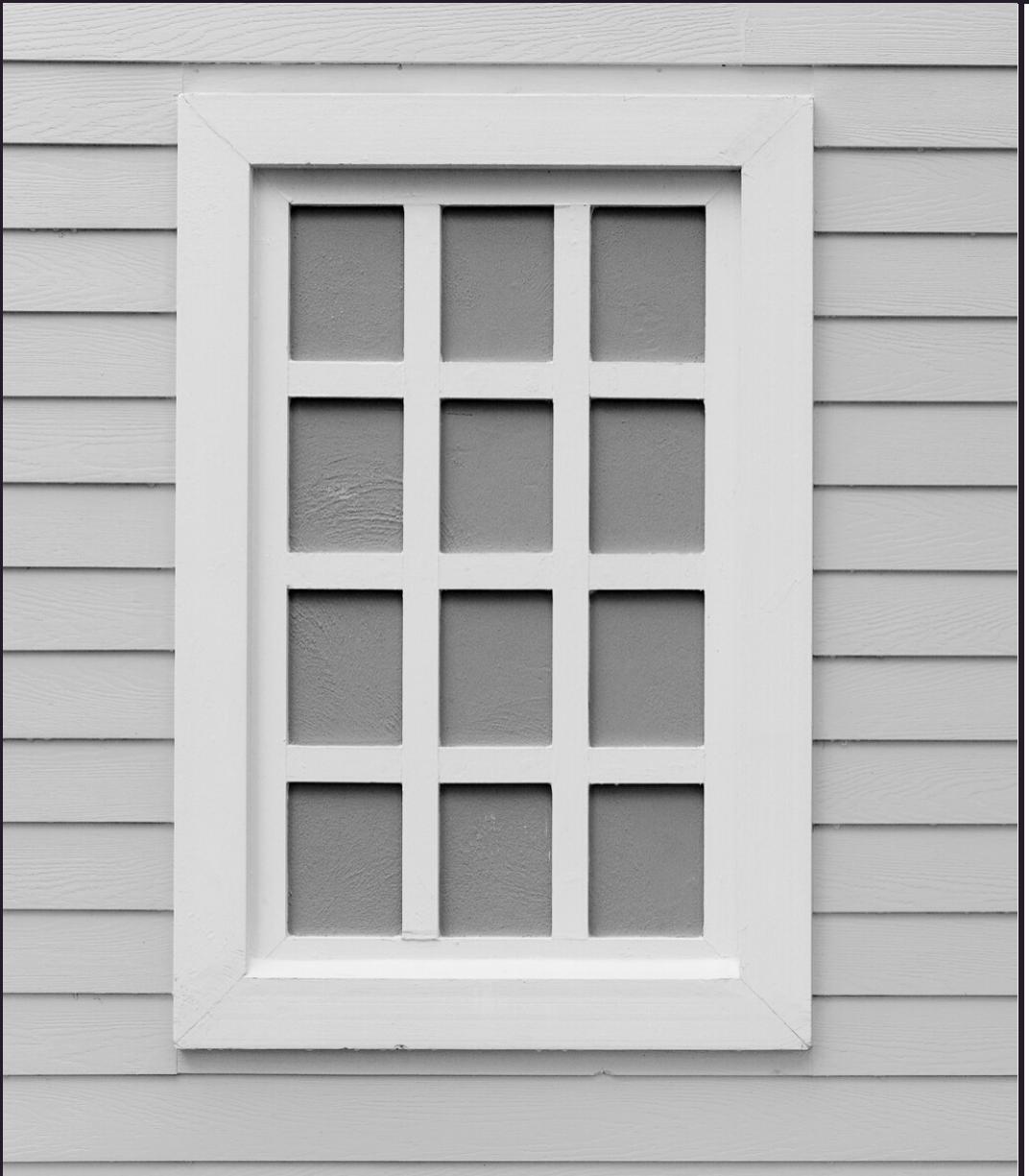


ROOT EMS

Relative to the **root html element's** font-size. Often easier to work with.

If the root font-size is 20px, 1 rem is always 20px, 2rem is always 40px, etc.

vw & vh



VIEW HEIGHT & VIEW WIDTH

1vw is 1% of the width of the viewport

1vh is 1% of the height of the viewport

For example: height: 100vh would make an element take up the full height on screen