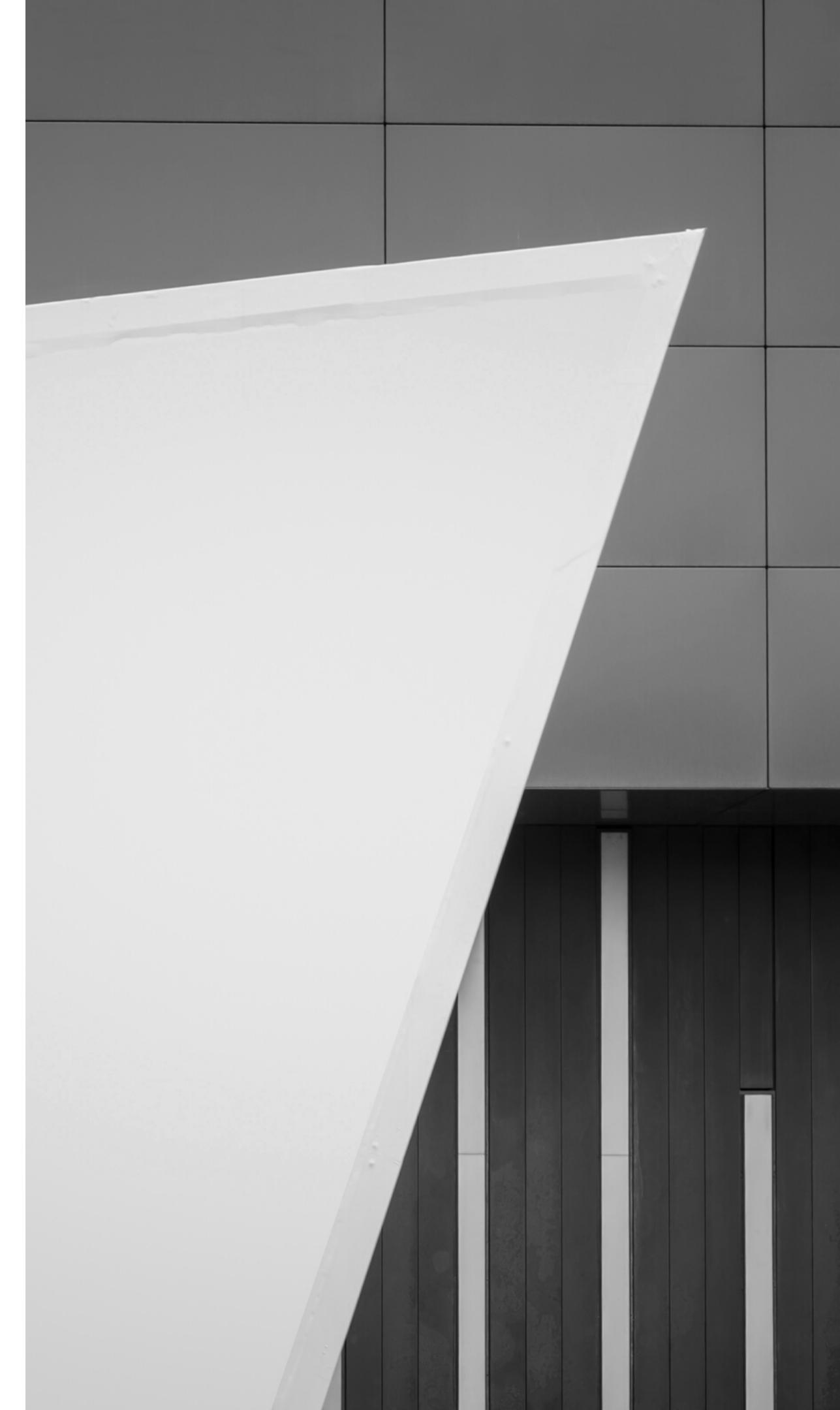
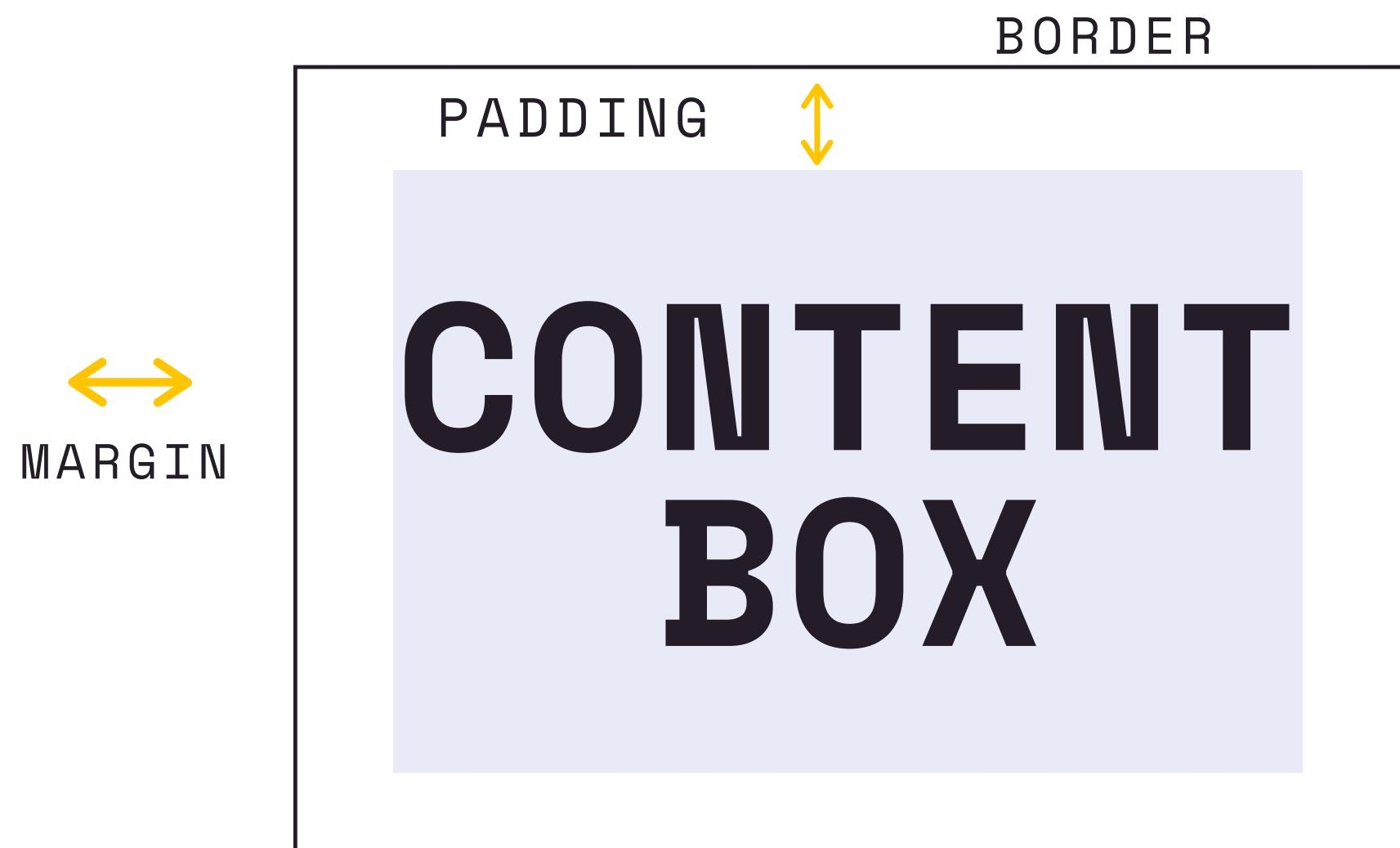


# THE CSS MODEL

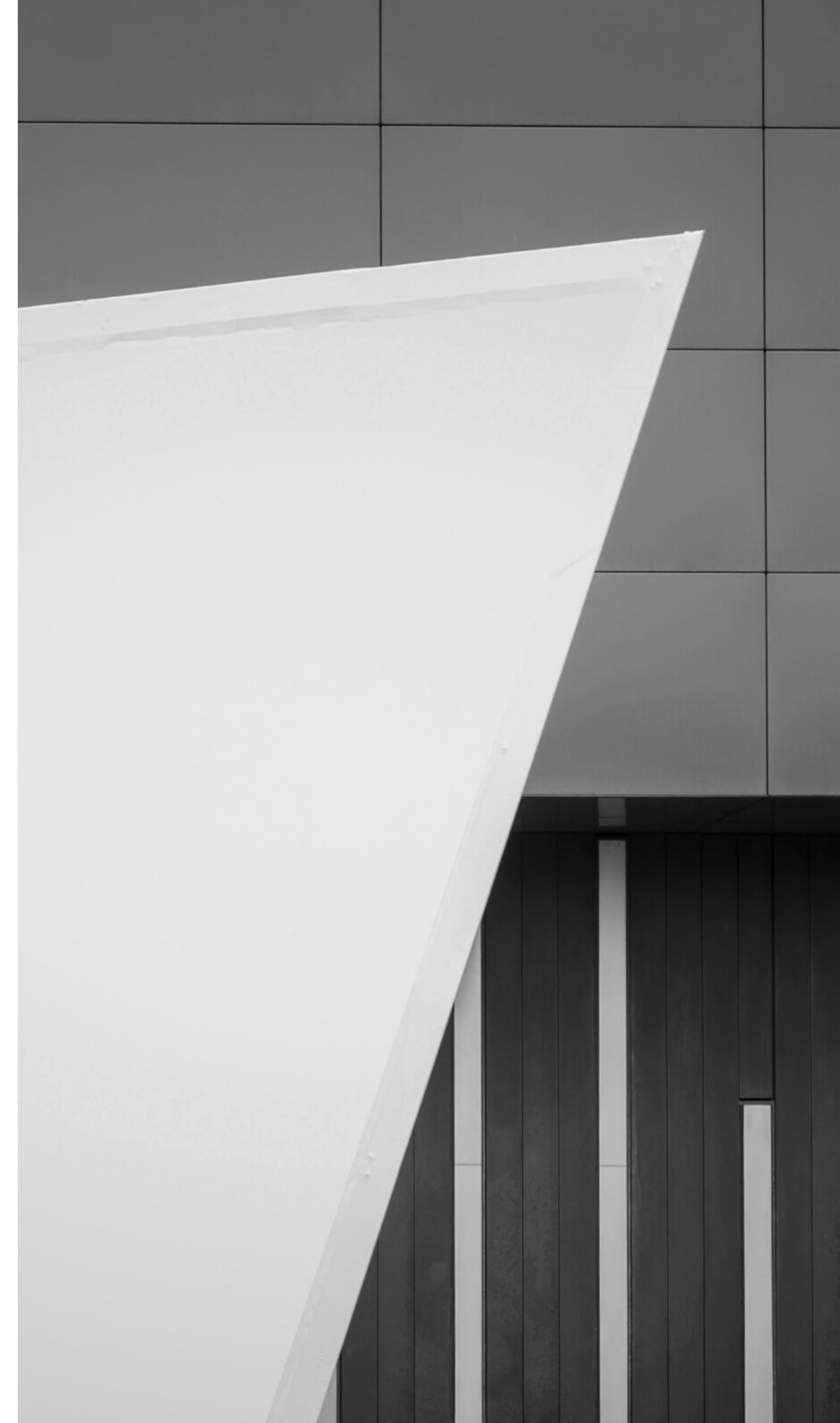
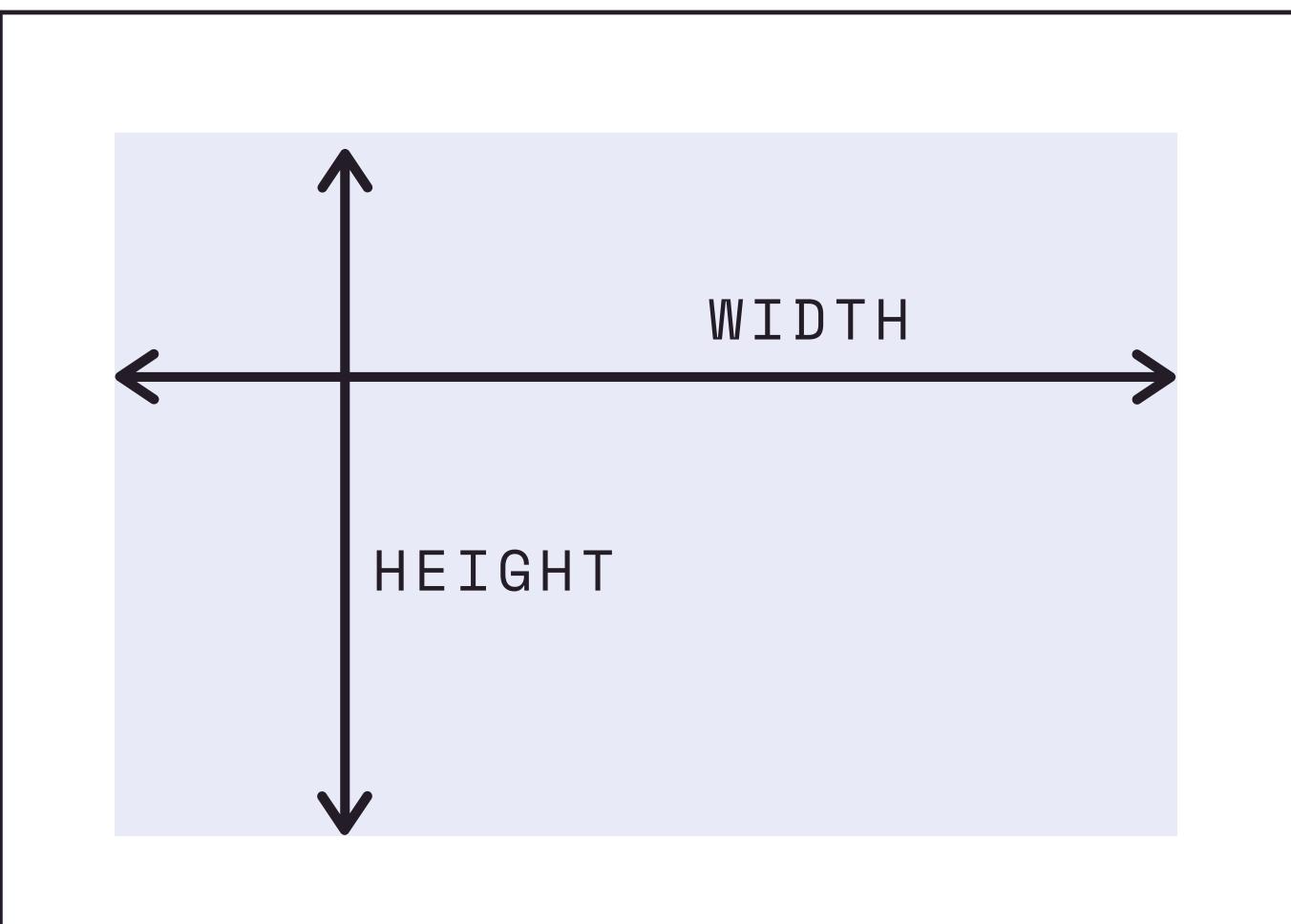


## The Box Model



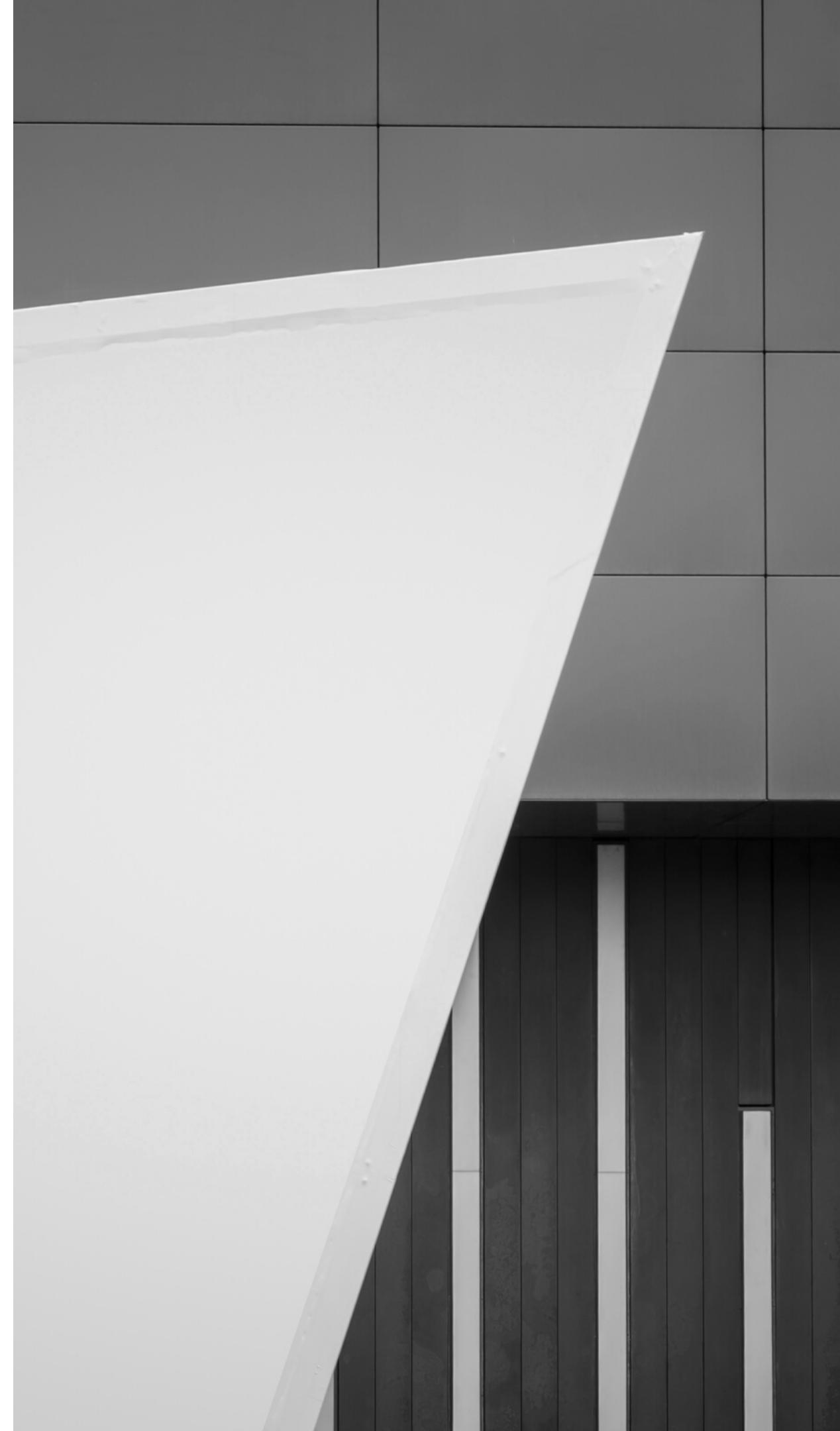
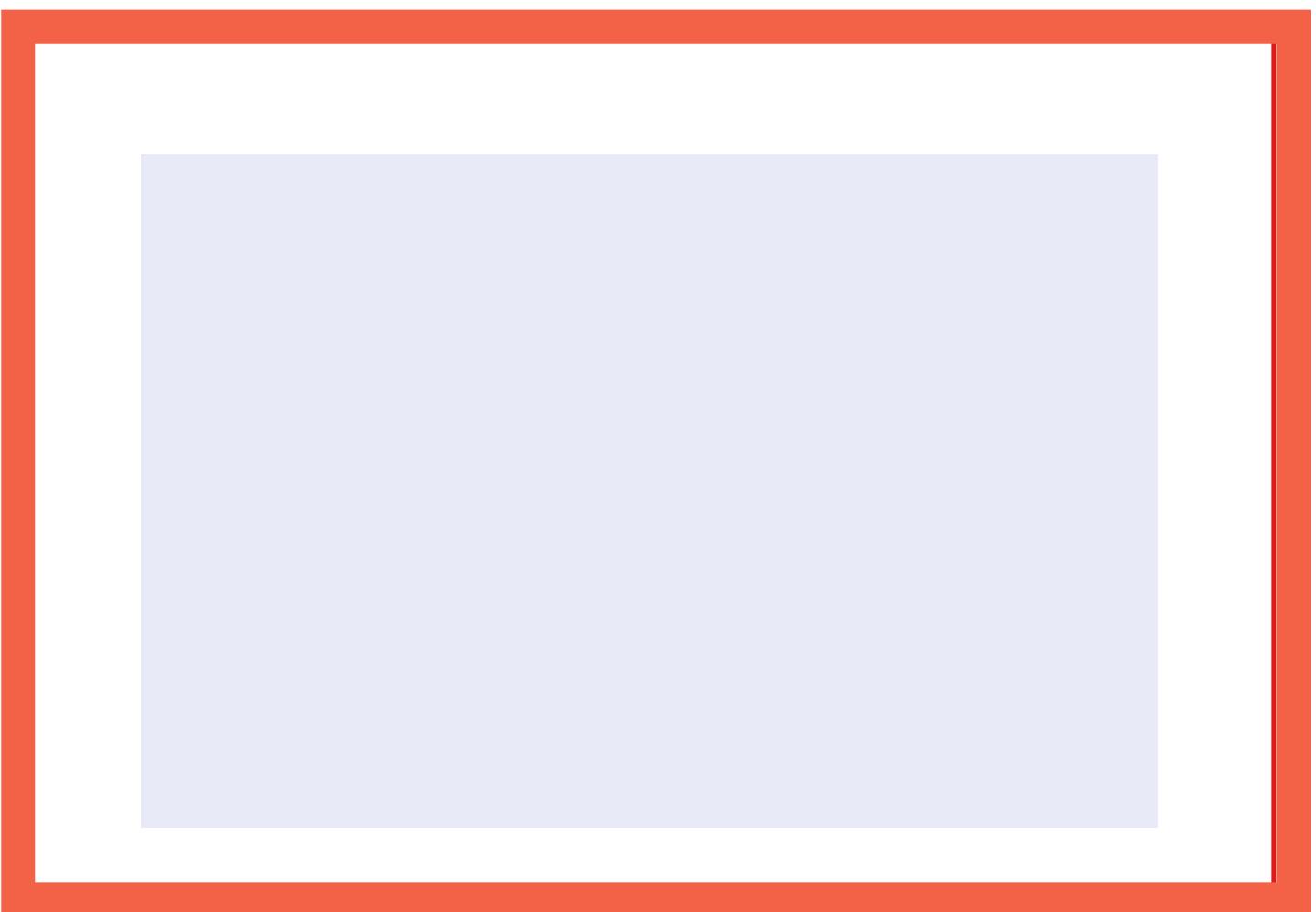


## Width & Height





## Border



# Border Properties

(the important ones)

## BORDER-WIDTH

Controls the thickness of the border.

## BORDER-COLOR

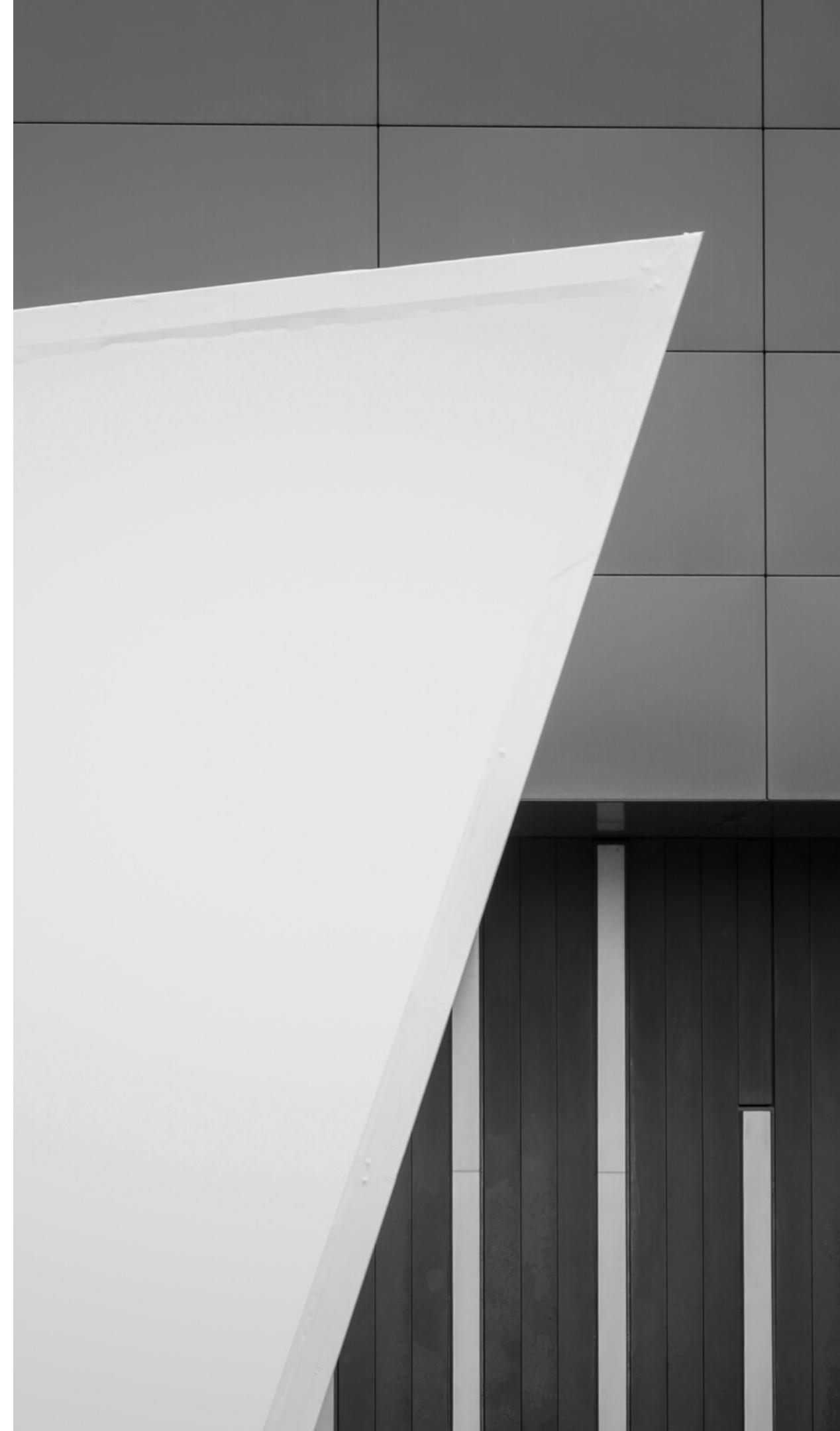
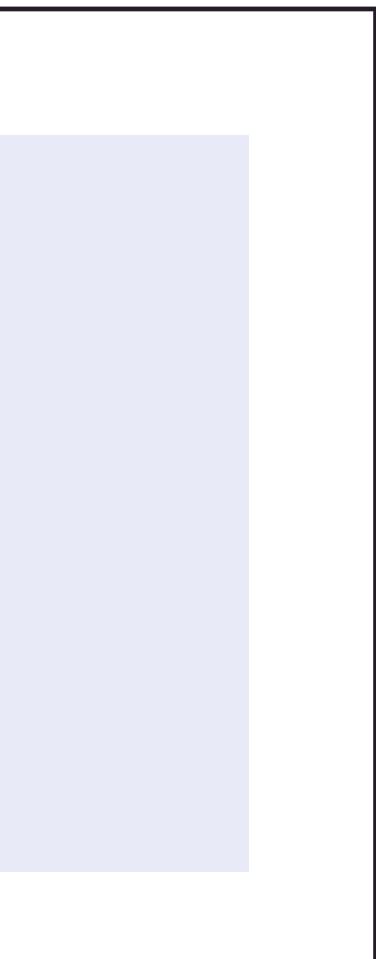
Controls the...color of the border

## 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

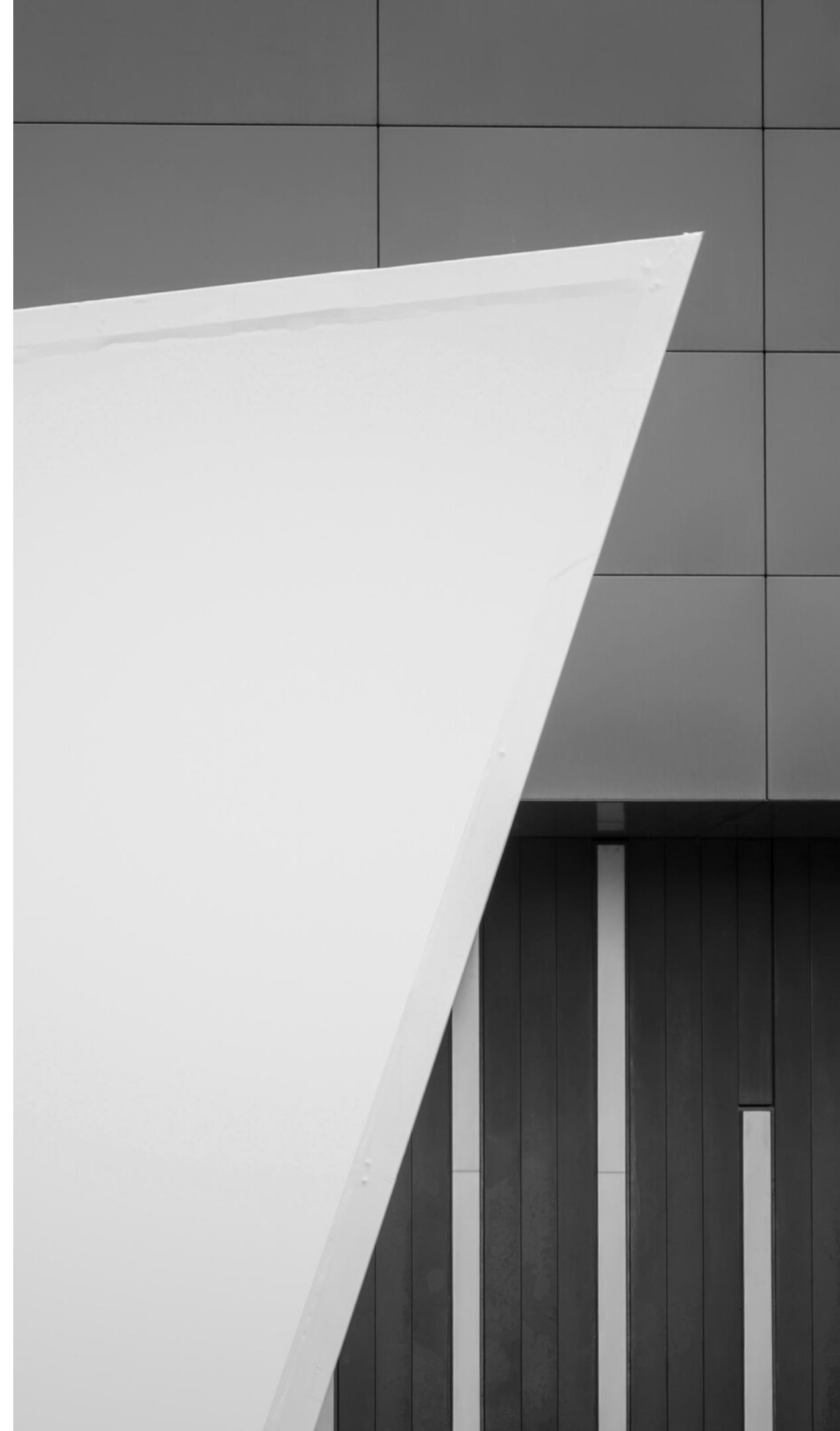
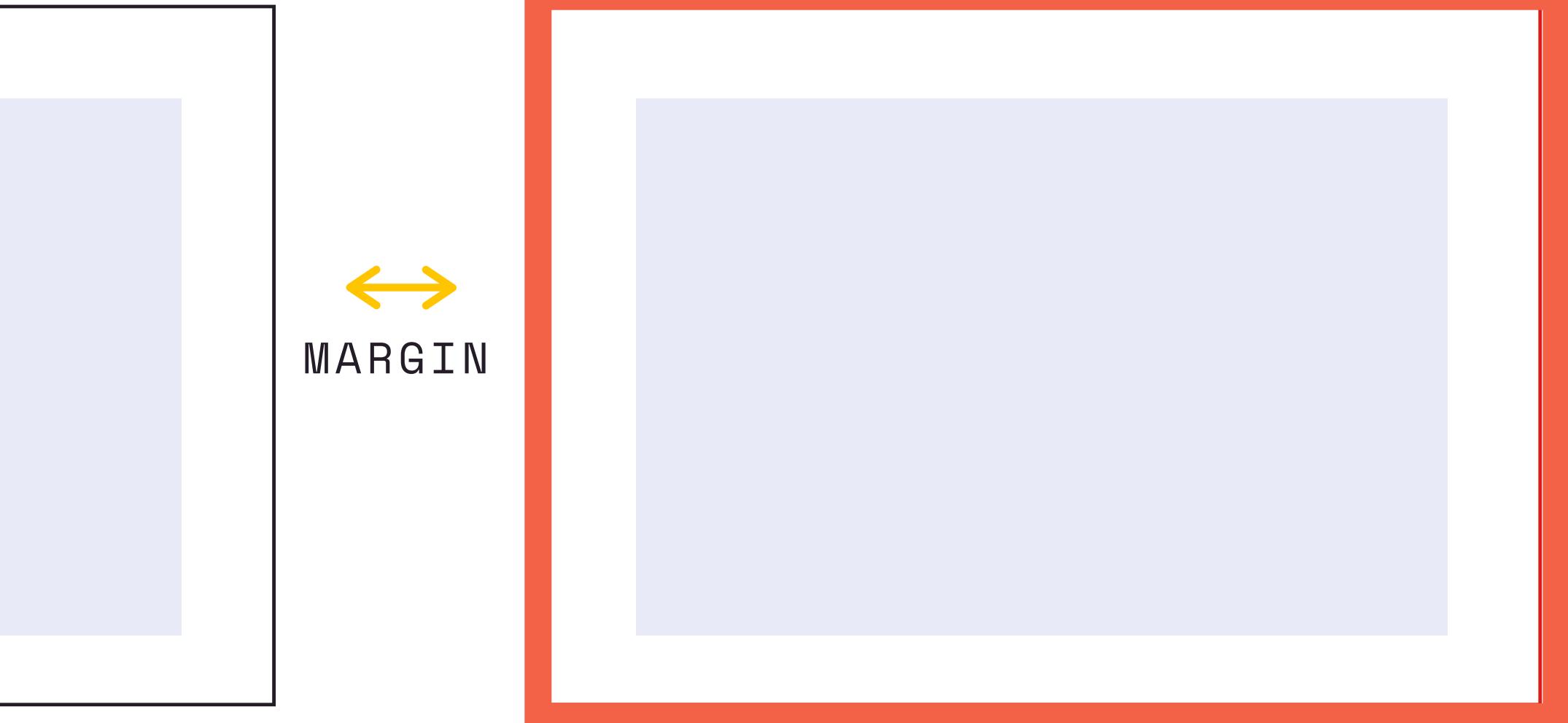
`padding: 5px 10px;`

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">
```

# 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.

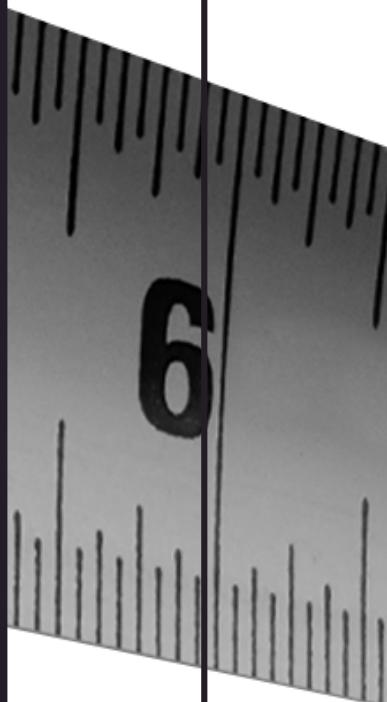
## BLOCK

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



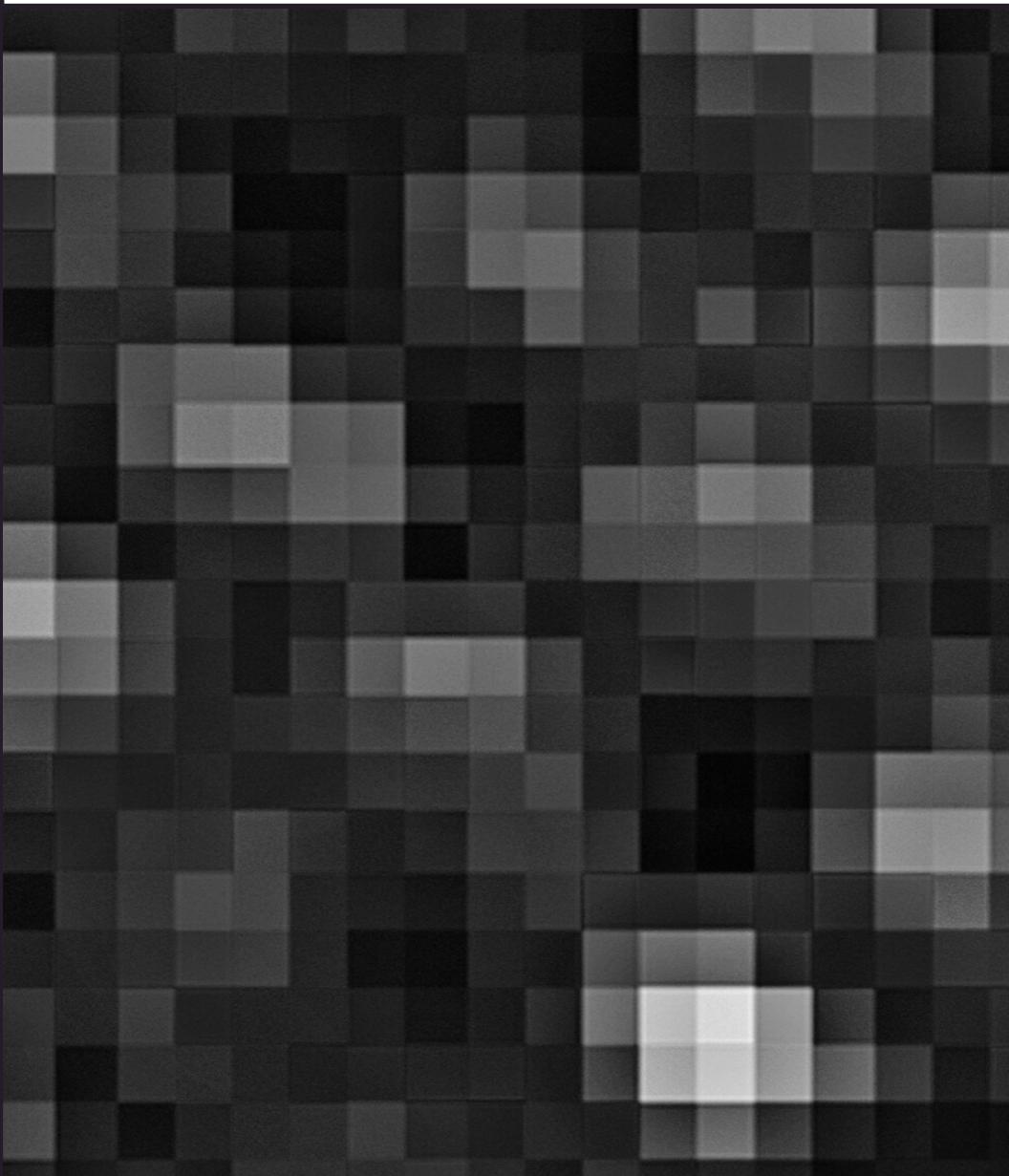
## Relative

- 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

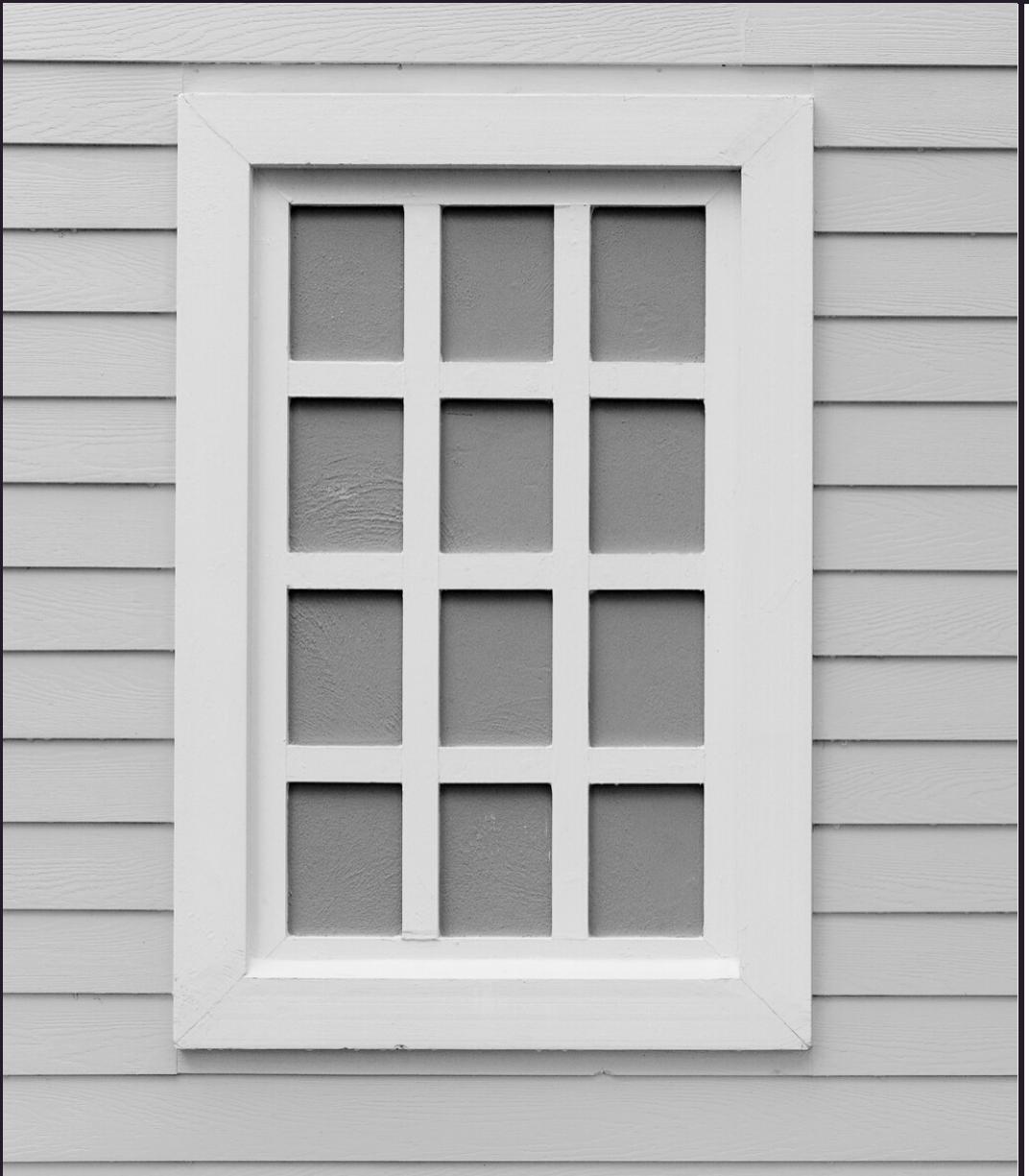


## ROOT EMS

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