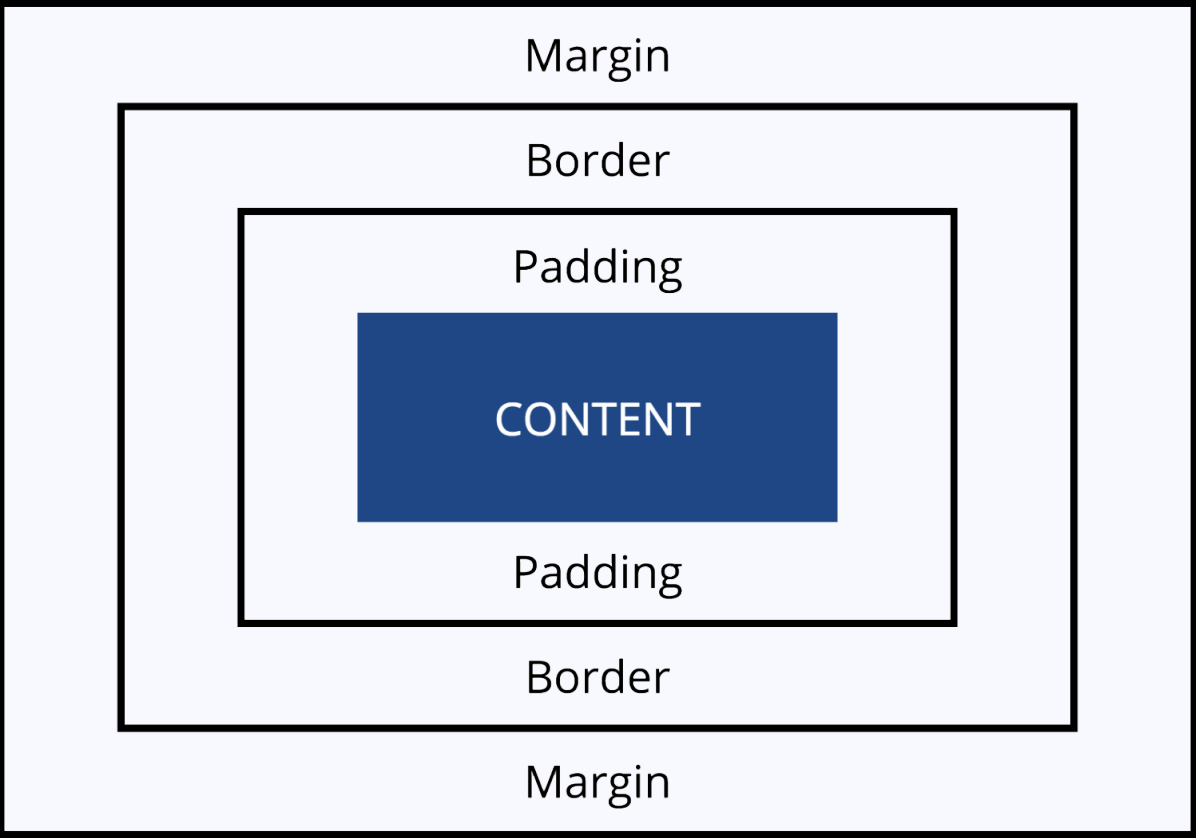


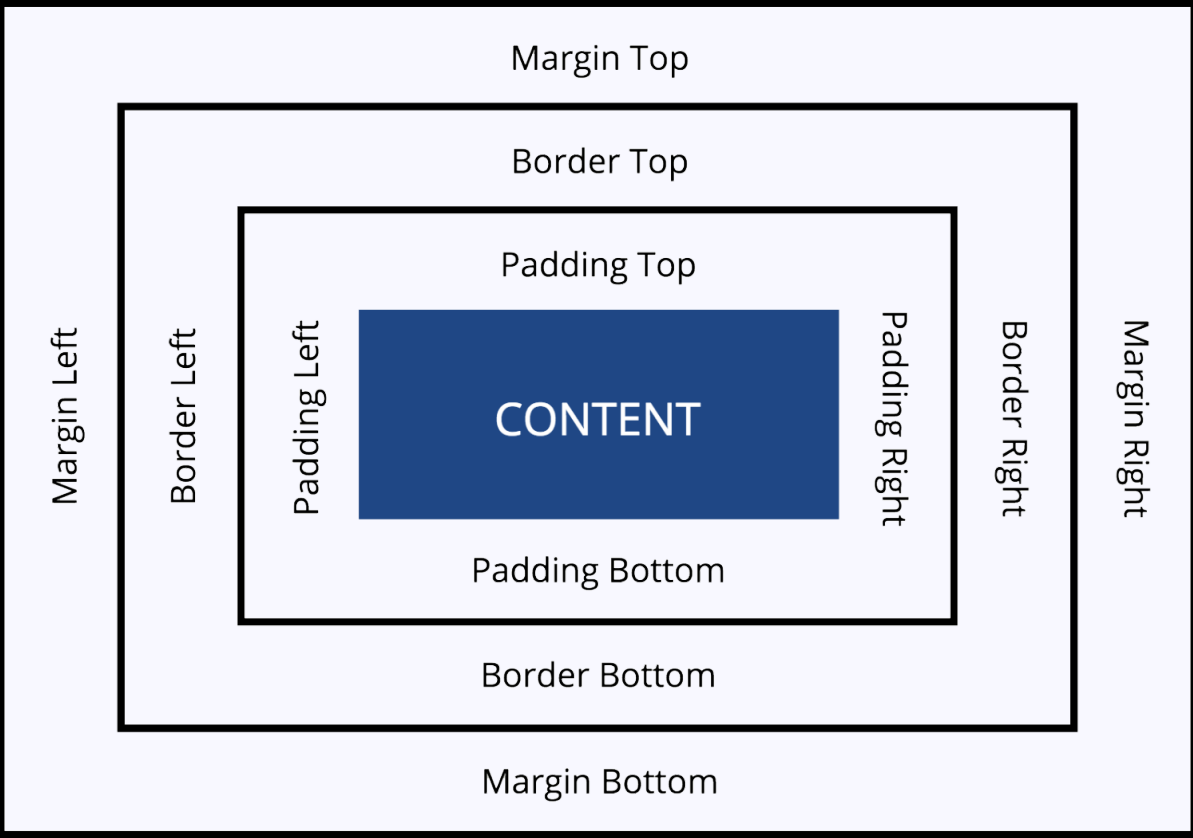
Box Model

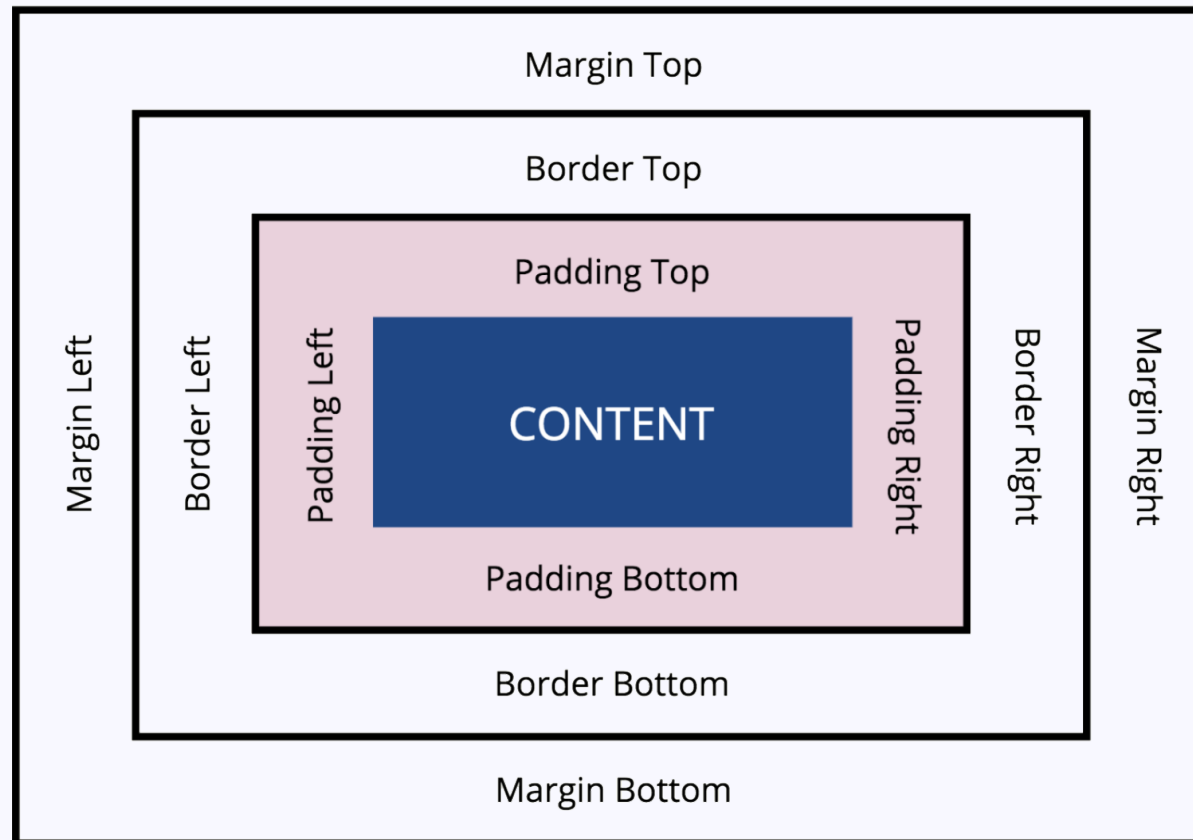
Every element in web design is a box.

Box Model

- The Box Model is essentially a couple of squares that wrap every element
- It defines how much space they take up
- It consists of a couple of different things:
 - Content
 - Padding
 - Border
 - Margin







**The pink is the element's background colour*

Width Calculation

Total Width

Content Width + padding-left + padding-right + border-left + border-right

Height Calculation

Total Height

Content Height + padding-top + padding-bottom + border-top + border-bottom

Ahh! Math!

Adding everything up can be a little frustrating...

So what can we do?

box-sizing: border-box

```
*, *:before, *:after {  
  box-sizing: border-box;  
}
```

box-sizing: border-box

Width will now include the border and the padding!

Resources

- [Shay Howe's explanation](#)
- [CSS Tricks](#)
- [MDN's explanation](#)
- [Learn Layout](#)