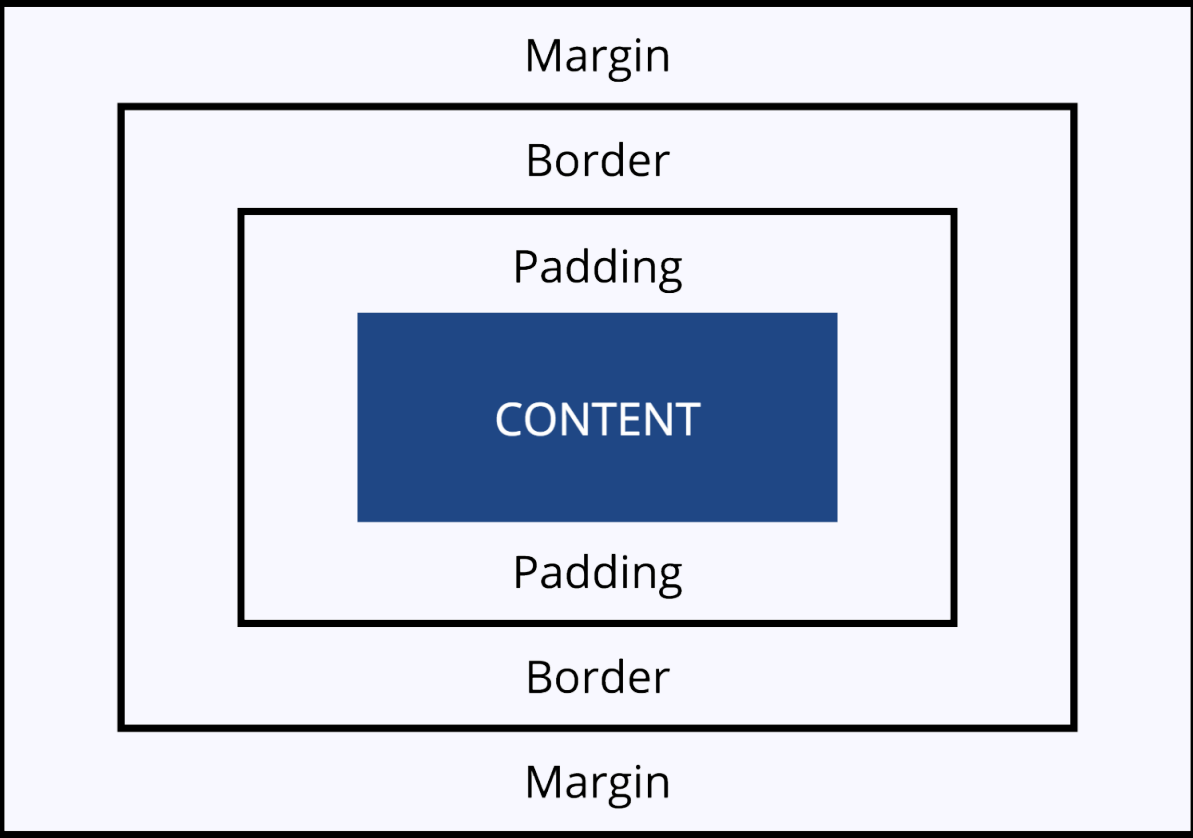


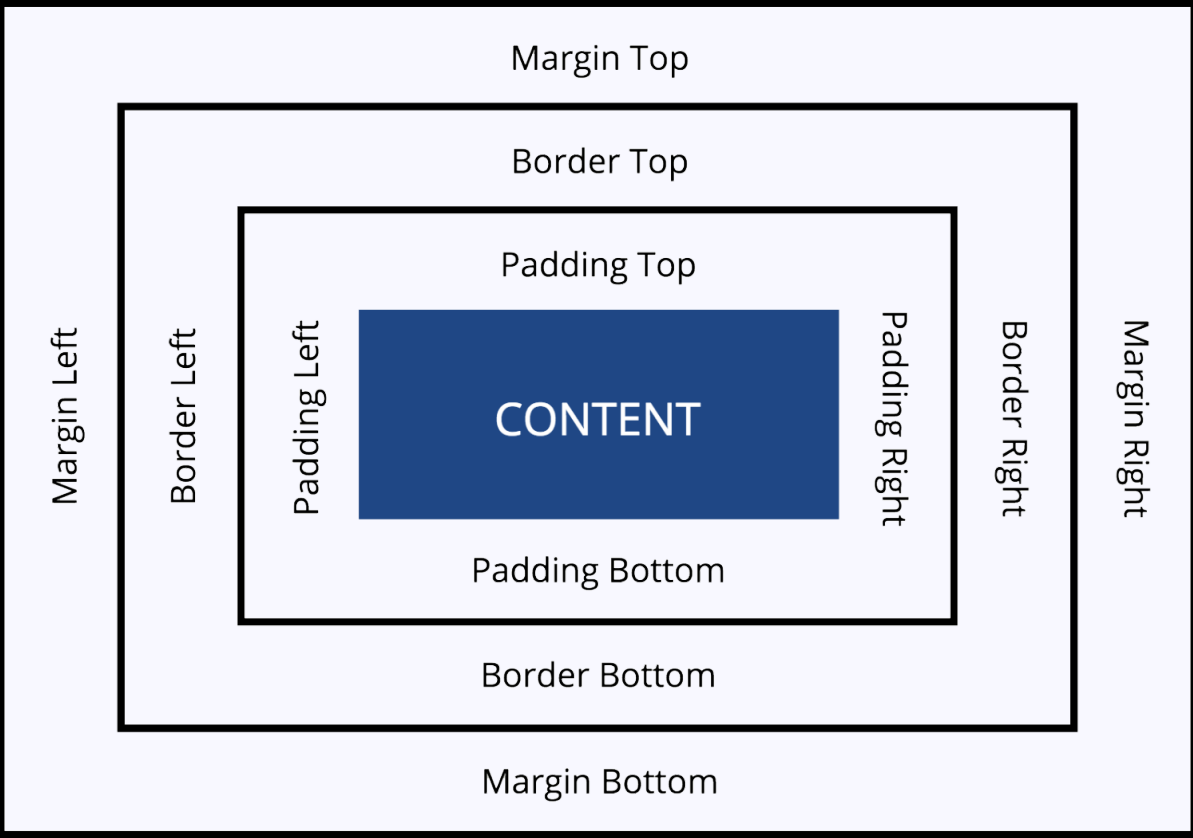
# Box Model

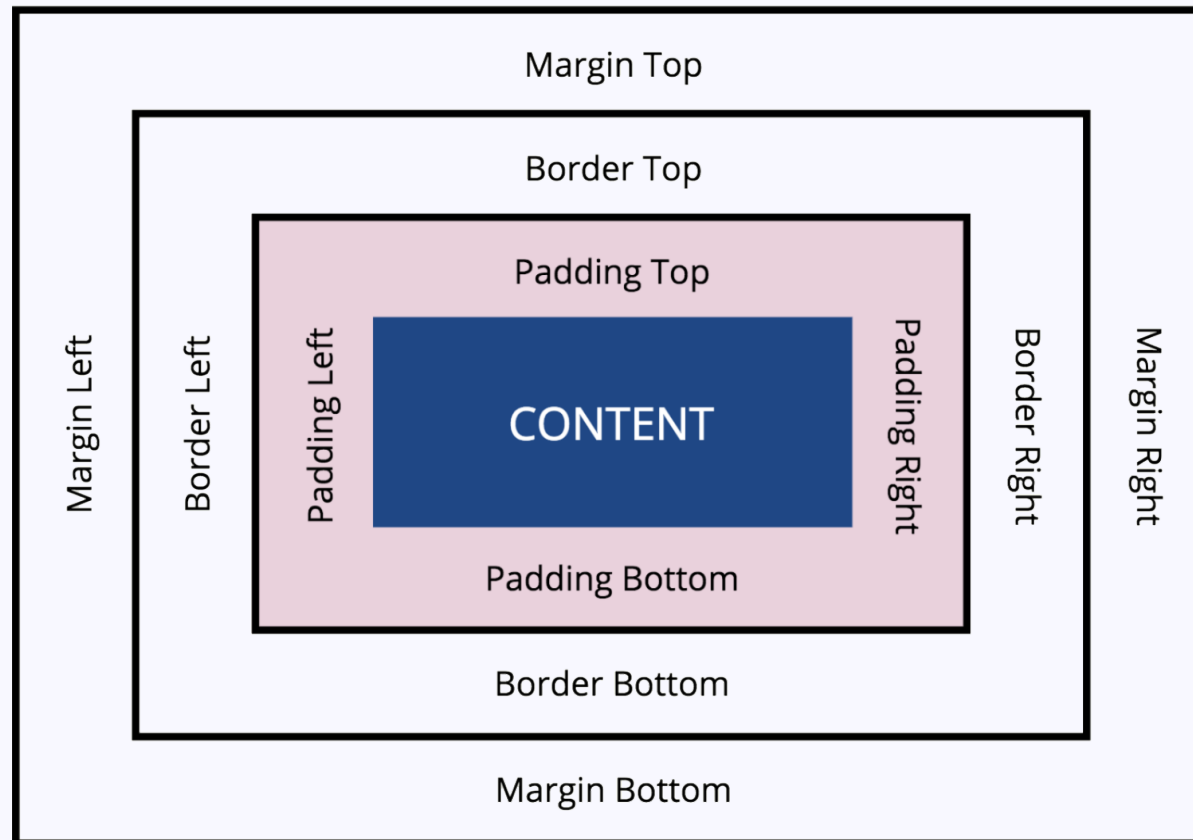
**Every element in web design is a box.**

## 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](#)