CSS Box-Sizing

The CSS `box-sizing` property allows us to include the padding and border in an element's total width and height. By default, the width and height of an element is calculated like this:

$$width + xpadding + border = actual\ width\ of\ an\ element$$

$$height + ypadding + border = actual\ height\ of\ an\ element$$

This means that when you set the width or height of an element, the element often appears bigger than you have set (because the element's border and padding are added to the element's specified width or height resp.).

The box-sizing property solves this problem. The box-sizing property allows us to include the padding and border in an element's total width and height.

If you set box-sizing: border-box; on an element, padding and border are included in the width and height of the element.

Since the result of using the box-sizing: border-box; is so much better, many developers want all elements on their pages to work this way.

Many browsers already use box-sizing: border-box; for many form elements (but not all - which is why inputs and text areas look different at width: 100%;). Thus, applying the code below is safe and wise.

```
* {
  box-sizing: border-box;
}
```

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