



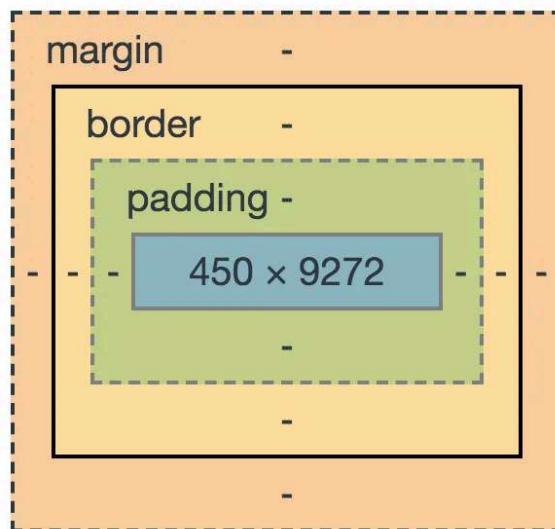
CSS Box Model

 [css-box-model-demo.zip](#) 3.3KB

Goals

- Explain what the Box Model is
- Compare and contrast border, margin, padding and outline
- Easily calculate true width and height with box-sizing

Box Model



- Margin is outside of border (*"space between"*)

- Goals
- Padding is inside of border (“space inside”)

Box Model

Direction
Shorthan...

Box Sizing

Outline

Learning
More

Direction Shorthands

margin, *padding*, and *border* all support four different ways to set their value:

- *one number* for top, right, bottom, and left
 - e.g. *margin: 10px;*
- *two numbers*, for top & bottom, right & left
 - e.g. *margin: 10px 20px;*
- *three numbers*, for top, right & left, bottom
 - e.g. *margin: 10px 20px 30px;*
- *four numbers*, for top, right, bottom, left
 - e.g. *margin: 10px 20px 30px 40px;*

Box Sizing

```
div { box-sizing:
content-box; width:
100px; padding: 1em;
border: solid 5px black;
}
```

- *content-box* is the default
- Content area is 100px
- Don't know how wide element is

```
div { box-sizing: border-
box; width: 100px;
padding: 1em; border:
solid 5px black; }
```

- Element width is 100px
- Don't know width of content area
- Often, easier to work with

Outline

Outlines are like borders ...

- but are outside of borders
- but never take up space

```
div:hover { outline: solid 5px red; outline-offset: 5px; }
```

Often most used for hover effects, so things don't "move"

Learning More

[Intro to the Box Model](#)

[Mastering Margin Collapsing](#)