Cheatsheets / Getting More Advanced with Design



# The Box Model

## CSS auto keyword

The value **auto** can be used with the property **margin** to horizontally center an element within its container. The **margin** property will take the width of the element and will split the rest of the space equally between the left and right margins.

```
div {
   margin: auto;
}
```

# CSS height and width maximums and minimums

The CSS min-width and min-height properties can be used to set a minimum width and minimum height of an element's box. CSS max-width and max-height properties can be used to set maximum widths and heights for element boxes.

```
/* Any element with class
"column" will be at most
200 pixels wide, despite
the width property value of
500 pixels. */
.column {
  max-width: 200px;
  width: 500px;
}
```

#### Dealing with overflow

If content is too large for its container, the CSS

OVERFLOW property will determine how
the browser handles the problem.

By default, it will be set to **Visible** and the content will take up extra space. It can also be set to **hidden**, or to **scroll**, which will make the overflowing content accessible via scroll bars within the original container.

# The visibility Property

The CSS **visibility** property is used to render **hidden** objects invisible to the user, without removing them from the page. This ensures that the page structure and organization remain unchanged.

```
small-block {
  overflow: scroll;
}
```

```
.invisible-elements {
  visibility: hidden;
}
```

#### **CSS Margin Collapse**



CSS *margin collapse* occurs when the top and bottom margins of blocks are combined into a single margin equal to the largest individual block margin.

Margin collapse only occurs with vertical margins, not for horizontal margins.

```
/* The vertical margins
will collapse to 30 pixels
instead of adding to 50
pixels. */
.block-one {
  margin: 20px;
}
.block-two {
  margin: 30px;
}
```

## The property box-sizing of CSS box model

The CSS box model is a box that wraps around an HTML element and controls the design and layout. The property box-sizing controls which aspect of the box is determined by the height and width properties. The default value of this property is

**content-box**, which renders the actual size of the element including the content box; but not the paddings and borders. The value

**border-box**, on the other hand, renders the actual size of an element including the content box, paddings, and borders.

```
.container {
  box-sizing: border-box;
}
```

## CSS box-sizing: border-box

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The value border-box of the boxSizing property for an element
corresponds directly to the element's total
rendered size, including padding and border with
the height and width properties.
The default value of the border-box
property is Content-box. The value
border-box is recommended when it
is necessary to resize the padding and
border but not just the content. For
instance, the value border-box
calculates an element's height as follows:
height = content height
+ padding + border.

```
#box-example {
  box-sizing: border-box;
}
```