

Learn CSS By Use Cases

ebook by Joe Harrison



Properties **border-radius**



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border-radius

Properties

Intro

In recent years, the border-radius property has been a vital part of clean UI design. There have been many articles in the past explaining the different meanings behind each type of radius. As well as expressing your applications brand via the border radius, you can also create many artistic shapes to use in your UI.

Syntax

It comes with it's own shorthand properties and a few companion longhand properties. I personally feel more comfortable using longhand syntax here – border-bottom-right-radius is the longest property in the ebook and I quite like that.

border-radius

Properties

Special Power

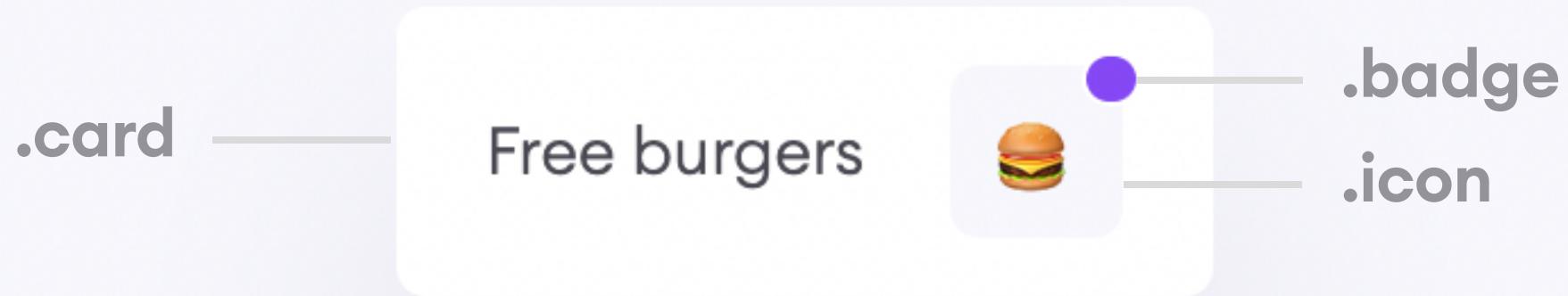
The ability to create circles and semi-circles opens up great possibilities for your UI designs. Here, I showcase an example where we can utilise semi-circles to create a chart – yes it's just HTML and CSS, neat.

Tips

A lot of people ask me about the difference between 50% and 100% when making square elements rounded. My tip is to use whatever you feel more comfortable with but for me 50% does read a lot better. And remember, an element that has border-radius will require some width and height for it to function.

Clean cards

Modern and consistent



```
.card,  
.icon,  
.badge { border-radius: 0.5rem; }
```

Passing a single length value to border-radius will apply the same styling to each corner of the element



Rounded controls

Vibrant and playful

Continue →

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```
.button,  
.input { height: 4rem; border-radius: 2rem; }
```

**border-radius must be exactly half of the element's height.
Percentage lengths will only work with fully circular elements**



Abstract controls

Futuristic and alternative

Continue →

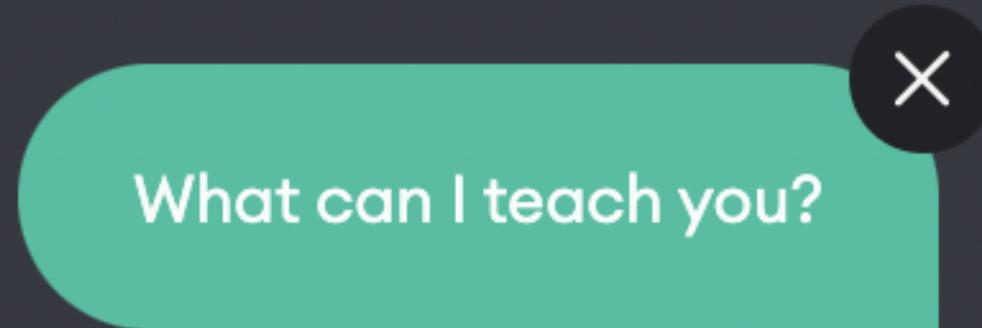
Search

```
.button,  
.input {  
  border-radius: 1.5rem 0.25rem;  
}
```

First value is top-left and bottom-right corners. The second value is remaining top-right and bottom-left corners

Bubble controls

Artistic and minimal



```
.chat-bubble {  
  border-radius: 2rem 2rem 0;  
}
```

Passing three length values will apply the following:
top left (2rem), top-right and bottom-left (2rem), bottom-right (0)

Rounded end

Active menu items

About

Portfolio



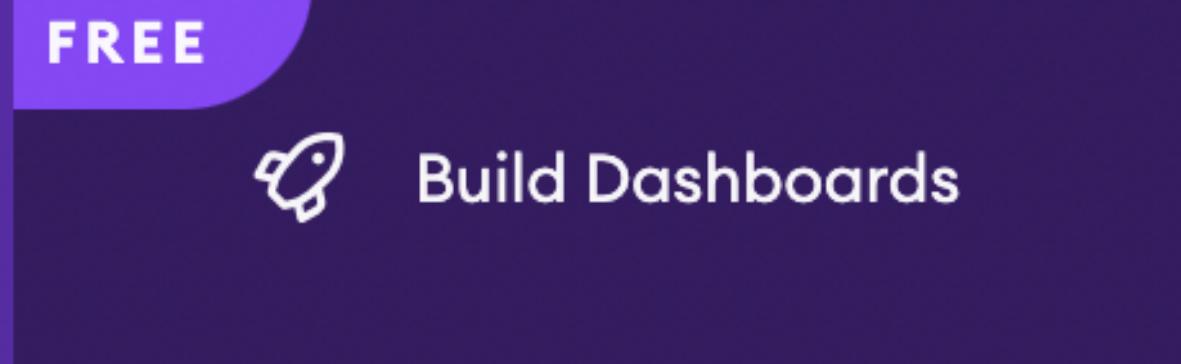
Skills

```
.active {  
  border-radius: 0 1.5rem 1.5rem 0;  
}
```

Passing four length values will apply the following:
top left (0), top-right (1.5rem), bottom-left (1.5rem), bottom-right (0)



Rounded corner Labels or headers



```
.label {  
  border-bottom-right-radius: 2rem;  
}
```

If I'm just setting the value for one corner I usually favour the longhand syntax, I think it reads really nice

Circle shapes

Useful when animating



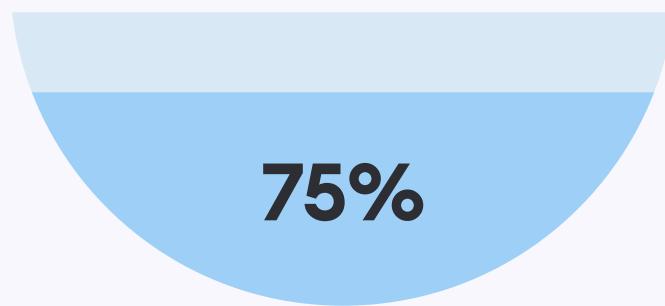
These must
be the same

```
.badge {  
  width: 4rem;  
  height: 4rem;  
  border-radius: 50%;  
}
```

2rem would work
too (half the size)

Semi-circle shapes

Make simple charts



```
.chart {  
    width: 10rem;  
    height: 5rem;  
    border-bottom-left-radius: 5rem;  
    border-bottom-right-radius: 5rem;  
}
```

To make a semi-circle the height must be exactly half of the width, with the border-radius matching the height

border-radius

Properties

Knowledge Gained

- 🏆 The border-radius property defines how rounded each corner of an element is
- 🏆 Consistent border-radius values help to create clean UI
- 🏆 Longhand properties are quite long but useful and very readable in the code
- 🏆 The border-radius property can be used to make shapes like semi-circles
- 🏆 Elements must have height and width



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