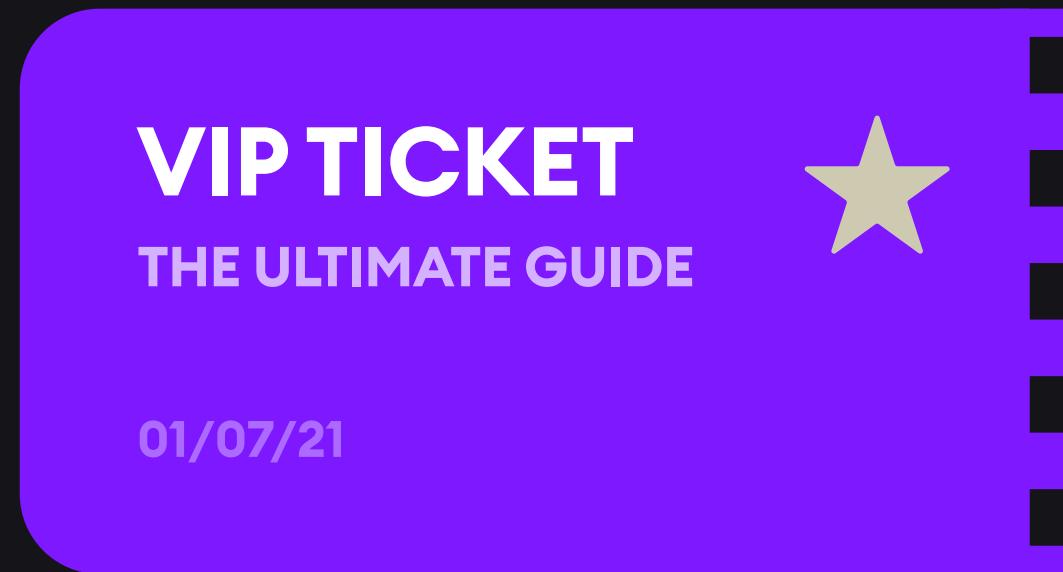


Learn CSS By Use Cases

ebook by Joe Harrison



```
.ticket {  
    border-right: 8px dashed #8F44FD;  
}
```

Introduction

First of all, thanks for picking up a copy - you're awesome!

I've created this ebook to provide a visually engaging manual for the *beautiful* language of CSS. The aim is to focus your attention on this set of properties here, to remove a lot of the inevitable confusion when learning CSS (there are 520 properties in total).

Here, you'll see a real life scenario of how a property is used practically, alongside a simplified code snippet showing you my cleanest syntax. I also hope the ebook can provide you with a host of tips on designing elegant user interfaces.

A picture can tell a thousand words, and I strongly advise taking in the entire ebook before getting stuck in to the source code. Hopefully after reading, you will have an instant visual association when you see each property in the code and the CSS world will become clearer.

Now go break stuff! 🔥



Joe Harrison
@frontendjoe

Learn CSS By Use Cases

ebook by Joe Harrison



Popular Properties background



Joe Harrison
@frontendjoe

background

Popular Properties

Arguably the most used property in your CSS toolkit and a great place for us to start. It has to be combined with certain properties to see its full effect, for example - width and height. As well as making your components look awesome, backgrounds can also be used to debug complex CSS layout and overflow issues.

Syntax

As you'll see here, I generally only use the background shorthand for images and colors. Anything else I usually add separate longhand properties, for me it just reads cleaner this way. We will learn more about longhand and shorthand syntax through this ebook.

Special Power

As well as accepting hex codes and colors, background or background-image, can also accept a few functions - such as url() and linear-gradient(). Most of my examples will showcase gradient backgrounds, let's face it they're just cooler!

Tips

Some HTML elements come with predefined backgrounds such as buttons and other form controls. These can also be different on different browsers and devices, so I always advise to set a background - even if it's just transparent.

Buttons

⟳ Reload

```
.button {  
  background: linear-gradient(  
    90deg,  
    #732fdf,  
    #bd00ff  
  );  
}
```

Checkboxes



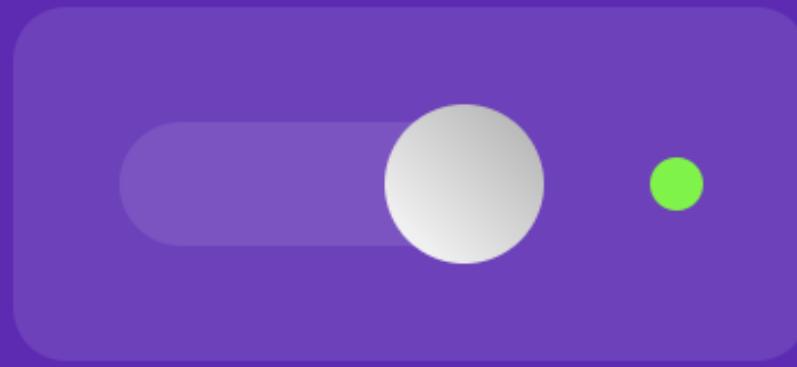
```
.checkbox {  
background: linear-gradient(  
    45deg,  
    #4ae491,  
    #49aa75  
);  
}
```

Outlines



```
.outline {  
  background: linear-gradient(  
    45deg,  
    #732fdf,  
    #bd00ff  
  );  
}
```

Neumorphism



```
.handle {  
  background: linear-gradient(  
    45deg,  
    #ffffff,  
    #aeaeae  
  );  
}
```

Skeuomorphism



```
.handle {  
  background: radial-gradient(  
    circle at 20%,  
    #d8d7d7 0%,  
    #626262 50%,  
    rgba(255, 255, 255, 0) 100%  
  );  
}
```

Stripes

Striped list

Frontend

Backend

Full stack

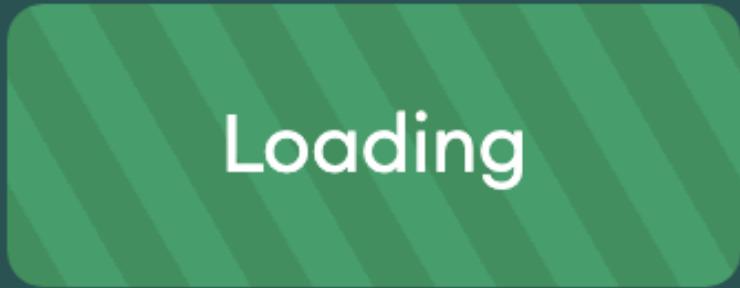
```
.card-list {  
    background: repeating-linear-gradient(  
        #ebebeb 0,  
        #ebebeb 1.5rem,  
        #ffffff 1.5rem,  
        #ffffff 3rem  
    );  
}
```

Pie charts



```
.pie-chart {  
    background: conic-gradient(  
        #f0e7fe 0% 35%,  
        #6683eb 35% 60%,  
        #4f1e97 60% 100%  
    );  
}
```

Loaders



Loading

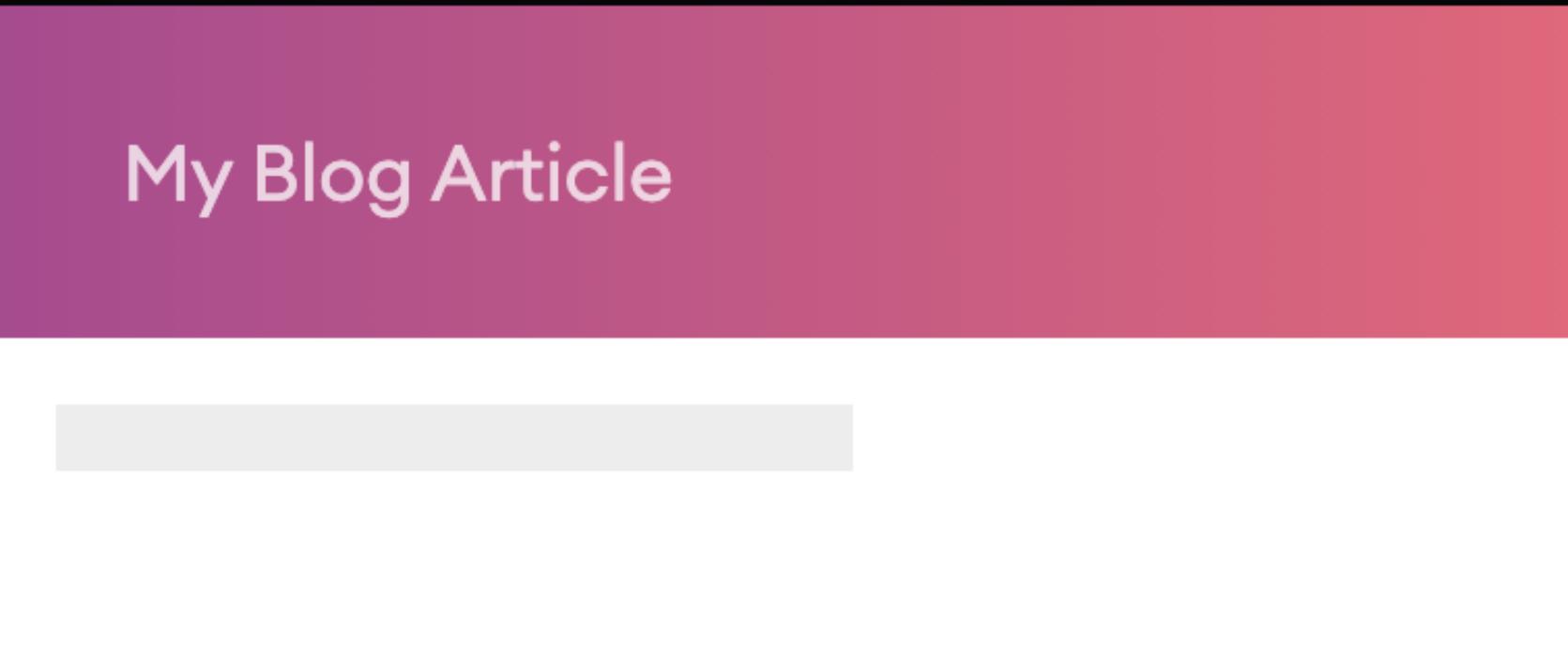
```
.button::before {  
background: #139059  
repeating-linear-gradient(  
60deg,  
transparent,  
transparent 0.75rem,  
#05a067 0.75rem,  
#05a067 1.5rem  
);  
}
```

Progress bars



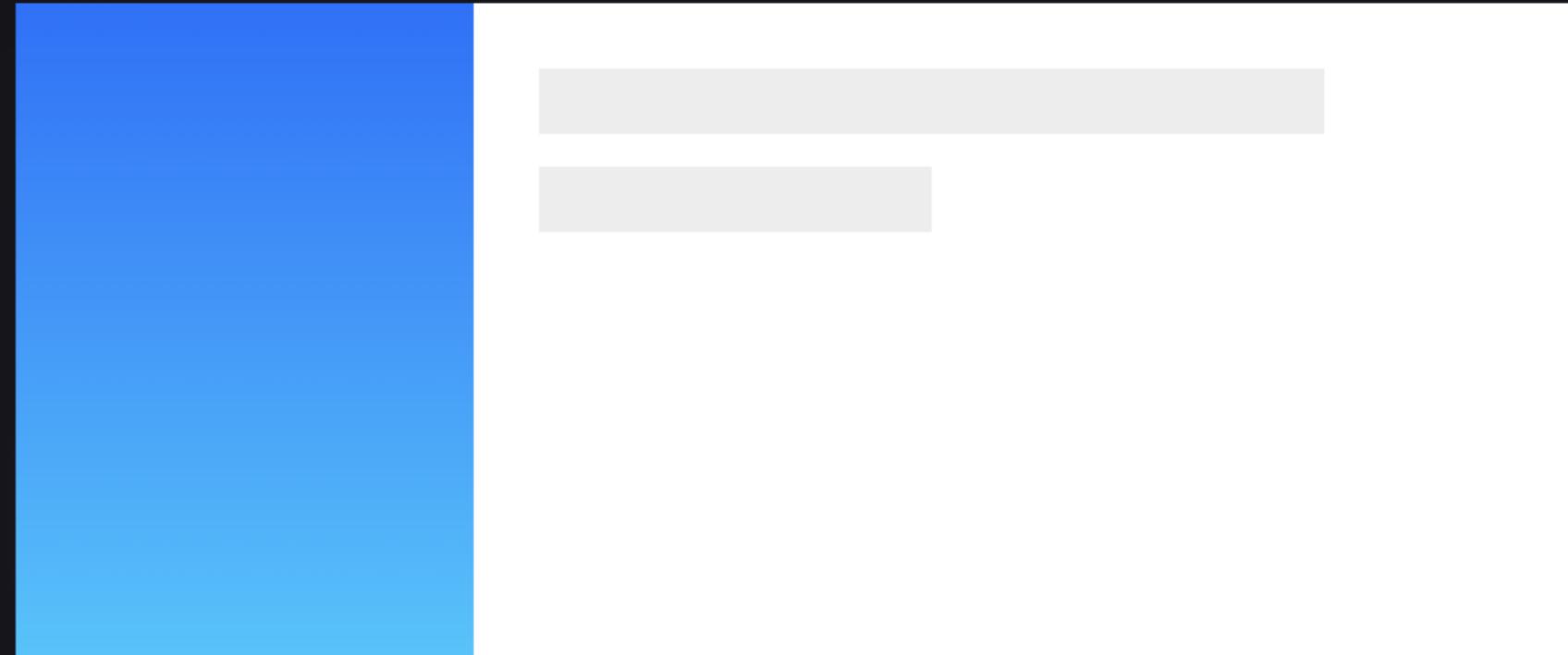
```
.progress-bar {  
    background: linear-gradient(  
        90deg,  
        #da22ff,  
        #9733ee  
    );  
}
```

Hero banners



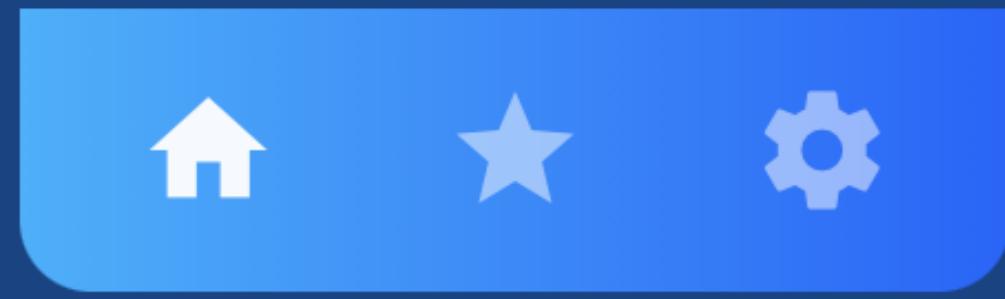
```
.hero-banner {  
  background: linear-gradient(  
    90deg,  
    #b24592,  
    #f15f79  
  );  
}
```

Sidebars



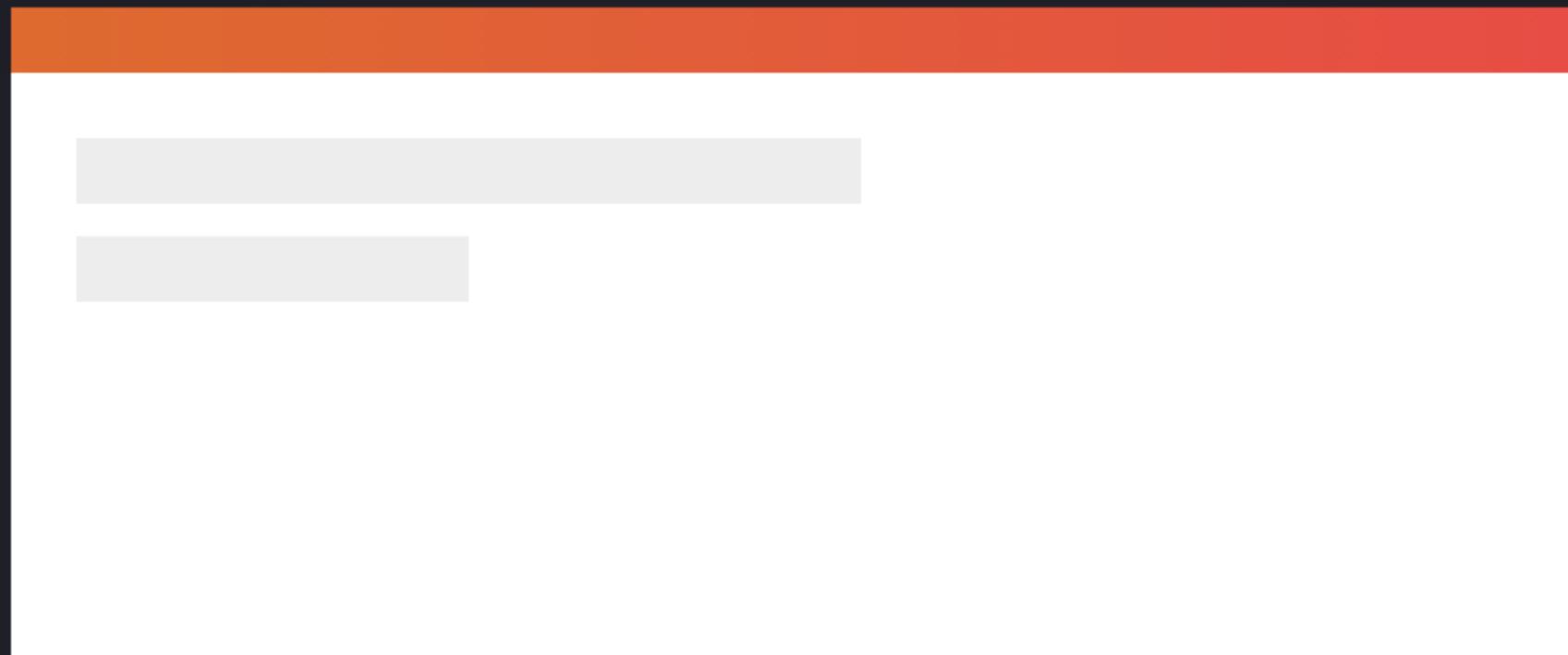
```
.sidebar {  
  background: linear-gradient(  
    #0072ff,  
    #00c6ff  
  );  
}
```

Navbars



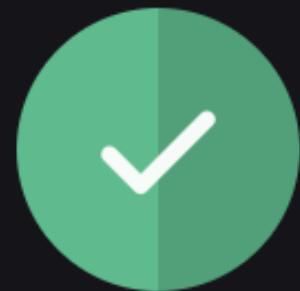
```
.navbar {  
background: linear-gradient(  
    90deg,  
    #00b2ff,  
    #0066ff  
);  
}
```

Global messages



```
.global-message {  
  background: linear-gradient(  
    90deg,  
    #ef6212,  
    #fb3b3b  
  );  
}
```

Two-tone badges



```
.badge {  
  background: repeating-linear-gradient(  
    90deg,  
    #30be8b 0 50%,  
    #29a377 50% 100%  
  );  
}
```

Metallic buttons

Q Find Metal

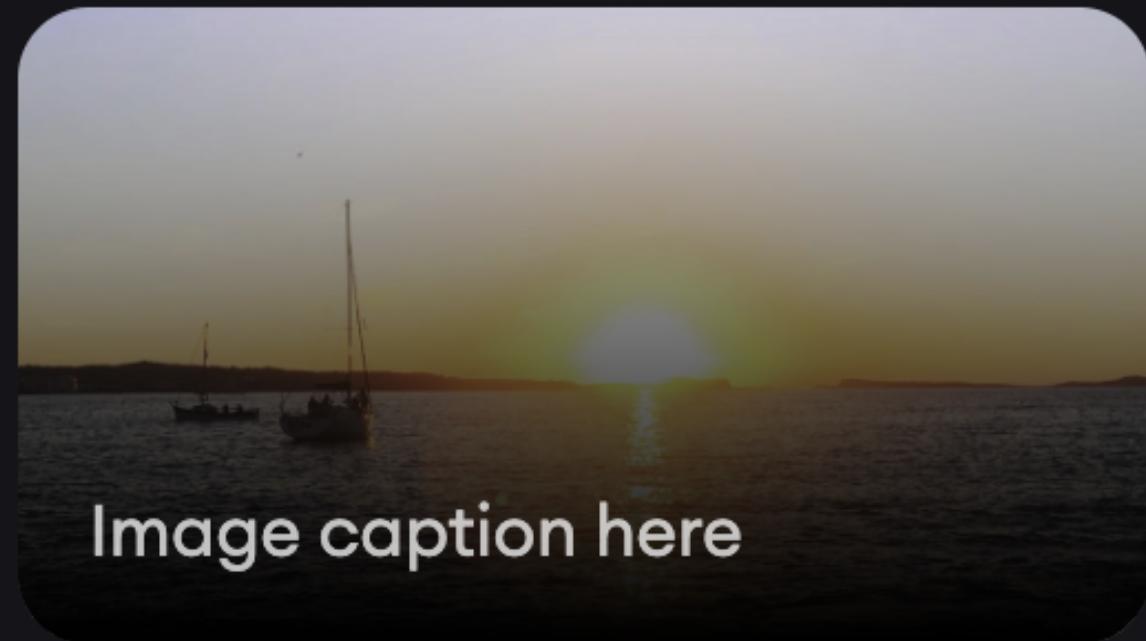
```
.metal-button {  
background: linear-gradient(  
#676b67 0%,  
#e3e3e3 45%,  
#fffefc 50%,  
#e3e3e3 55%,  
#676b67 100%  
);  
}
```

Cover images



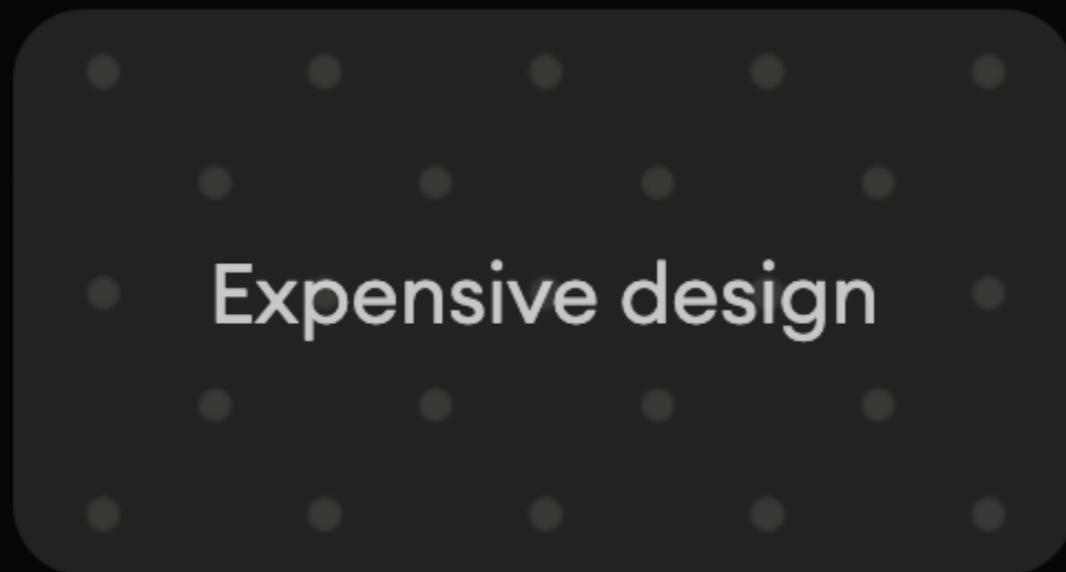
```
.card {  
    background: url("assets/sunset.png");  
    background-position: center;  
    background-size: cover;  
}
```

Faded content



```
.overlay {  
  background: linear-gradient(  
    rgba(0, 0, 0, 0),  
    rgba(0, 0, 0, 1)  
  );  
}
```

Repeating patterns



```
.card {  
    background: #222222;  
    url("assets/dot-pattern.png");  
    background-position: center;  
}
```

Learn CSS By Use Cases

ebook by Joe Harrison



Popular Properties **border**



Joe Harrison
@frontendjoe

border

Popular Properties

Aside from the obvious use case of putting a line around a box, borders can be used to achieve many cool effects in CSS. In a similar way to backgrounds, borders can also be useful when debugging complex CSS issues.

Syntax

Again like background, border comes with it's own shorthand syntax as well as a few longhand properties. It's just personal preference, but you'll see from my code here that I often favour the longhand.

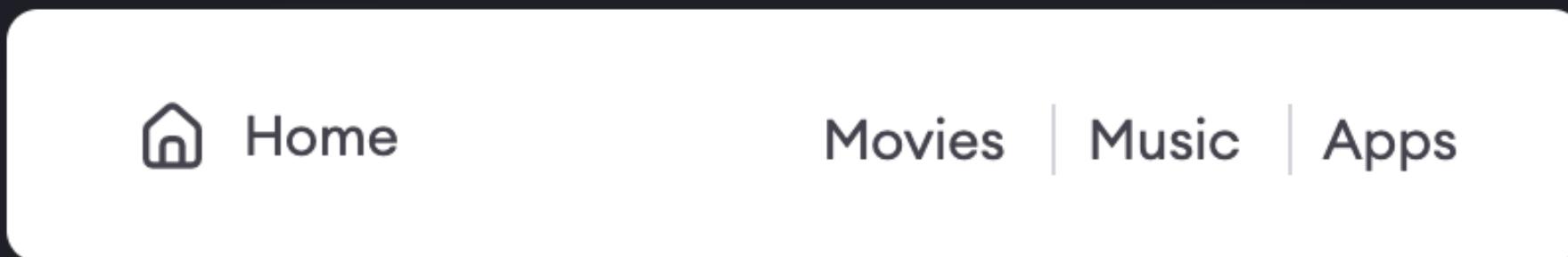
Special Power

Being able to set different border for each side of the element, allows us to create abstract shapes like triangles and circular spinners. You'll find a [codepen](#) link containing a plethora of CSS border spinners in the references section of this ebook.

Tips

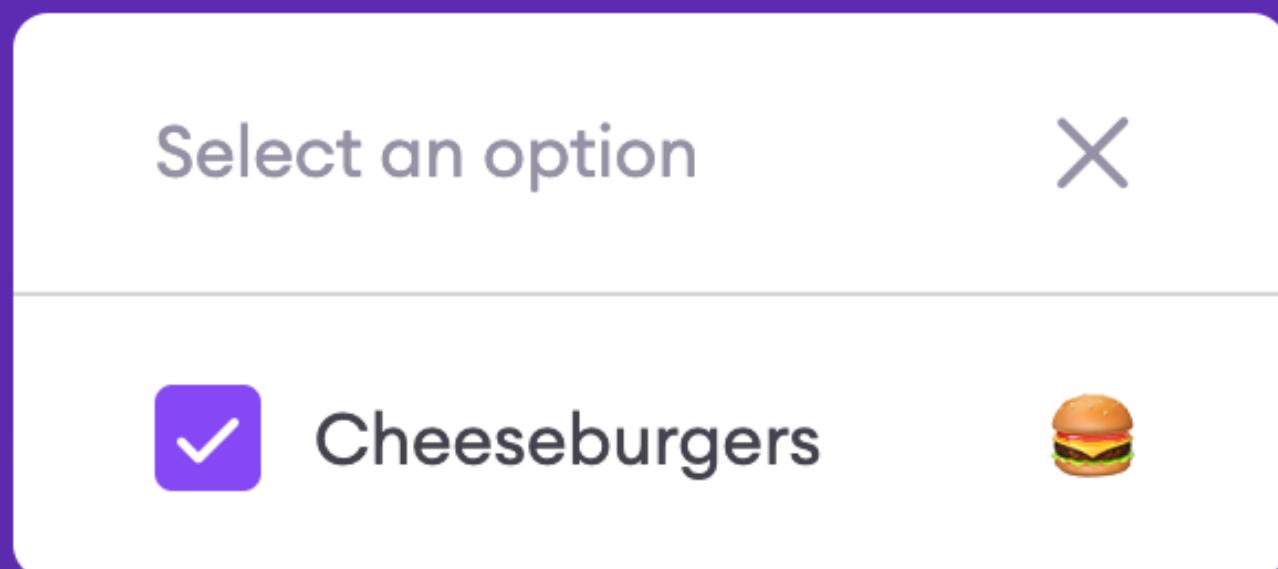
For borders to work effectively, you ideally need to enable box-sizing: border-box inside your reset.css file. This makes it easier to work with borders when using height, width and padding.

Vertical dividers



```
.link {  
    border-left: 1px solid #D5D3DA;  
}  
  
.link:first-child { border: 0; }
```

Horizontal dividers



```
.header {  
    border-bottom: 1px solid #D5D3DA;  
}
```

Spinners



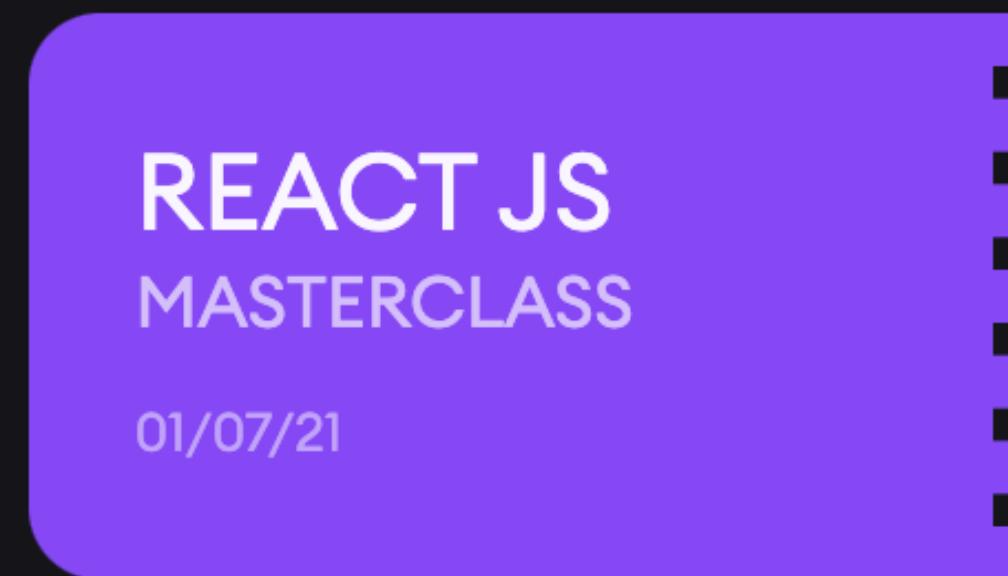
```
.spinner {  
    border-radius: 50%;  
    border: 5px solid #8F44FD;  
    border-left-style: dotted;  
    border-left-color:  
        rgba(255, 255, 255, 0.75);  
}
```

Outline controls

 Search by

```
.input {  
    border-radius: 0.5rem;  
    border: 2px solid  
        rgba(255, 255, 255, 0.95);  
}
```

Ticket mockups



```
.ticket-stub {  
    border-right: 6px dashed #8F44FD;  
}
```

Waves



```
.wave {  
    border: 0.25rem solid transparent;  
    border-top: 0.25rem solid white;  
}  
  
.wave::after {  
    border: inherit;  
    border-top: 0.25rem solid white;  
}
```

Placeholders



```
.placeholder {  
  border: 3px dotted #E8E8E8;  
}
```

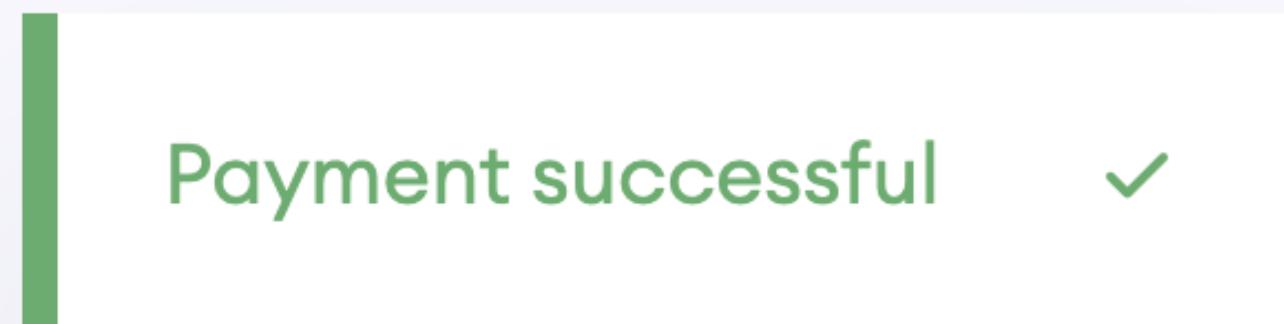
Digital signatures

Sign here

09/05/2021

```
.signature {  
    border-bottom:  
        2px dotted rgba(255, 255, 255, 0.5);  
}
```

Status indicators



```
.card {  
  border-left: 0.5rem solid #56AE69;  
}
```

Validation errors



.....

Password you entered is not valid

```
input.error {  
    border: 3px solid #D95050;  
}
```

Triangles

BUY TICKETS

```
.button::after {  
    border-top: 4rem solid transparent;  
    border-right: 4rem solid transparent;  
    border-bottom: 4rem solid #7E18FF;  
}
```

Tabs

Home About Work

```
.tab-button {  
    border-bottom: 4px solid transparent;  
}  
  
.tab-button--active {  
    border-bottom-color: #8F44FD;  
}
```