

# Creating art with CSS

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**nexmo**<sup>®</sup>  
The Vonage<sup>®</sup> API Platform





# Tycho Album Artwork



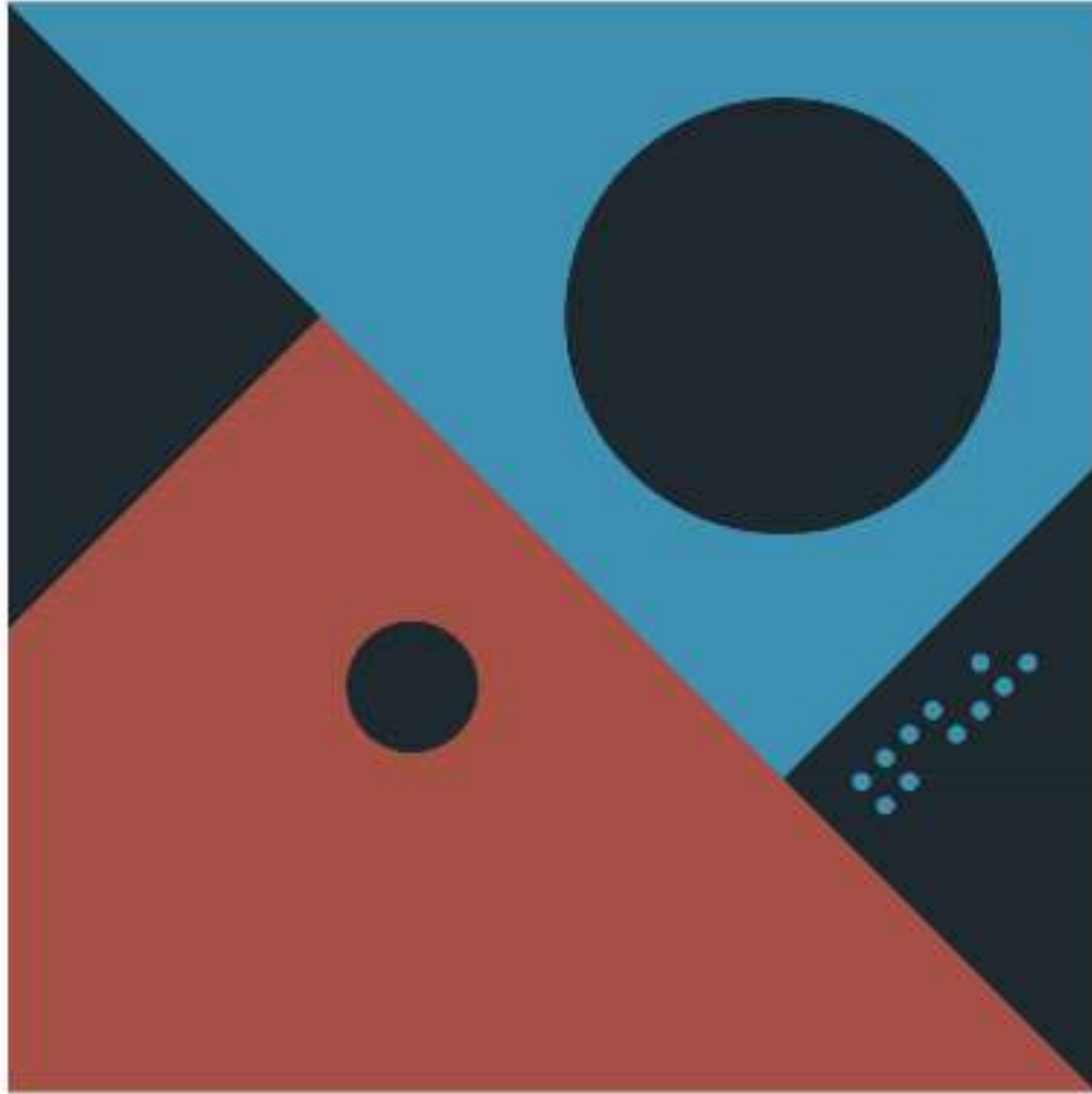
Awake (2014)



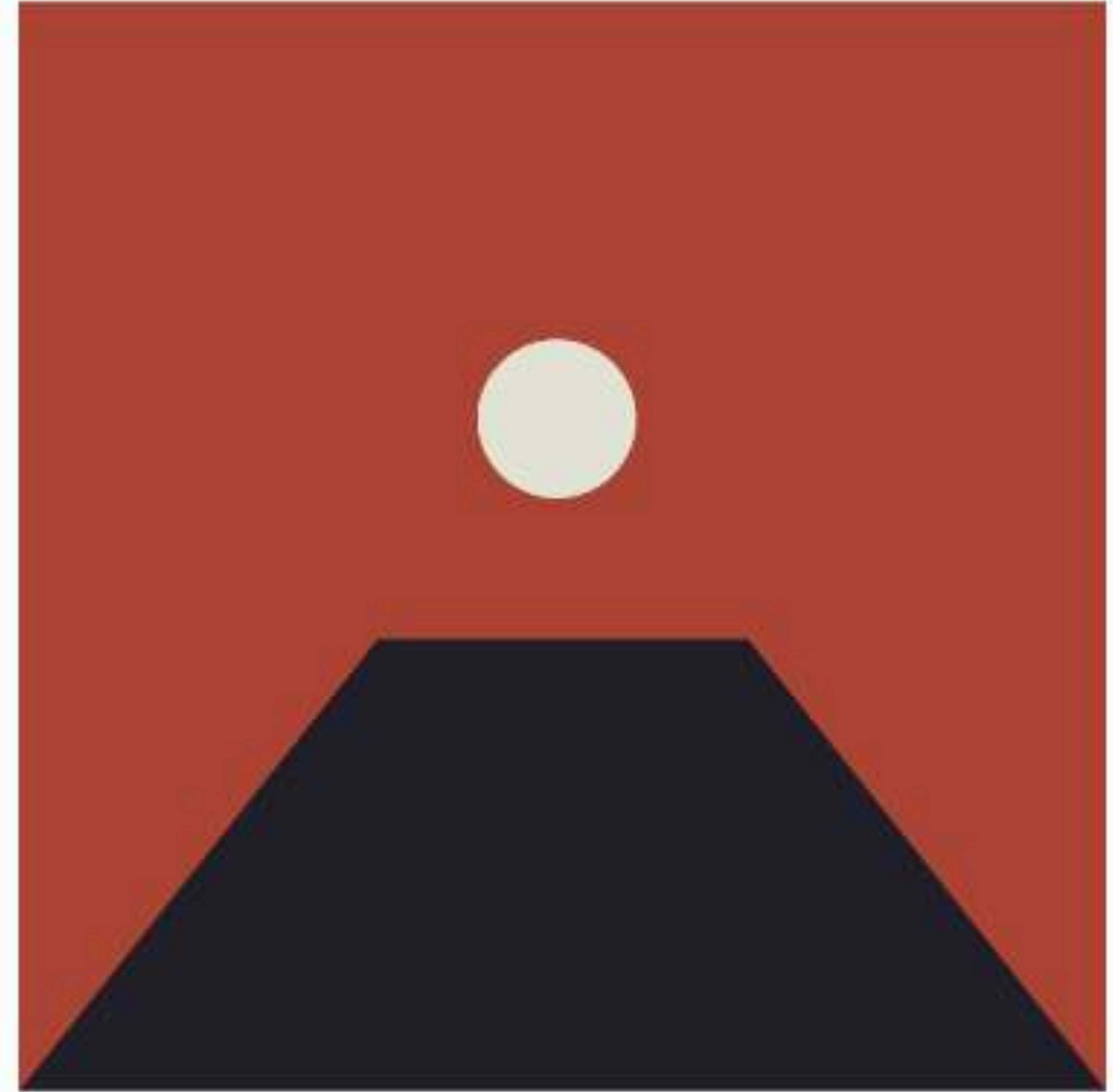
Montana Single (2014)



# Tycho Album Artwork



First single from Epoch: Division (2016)

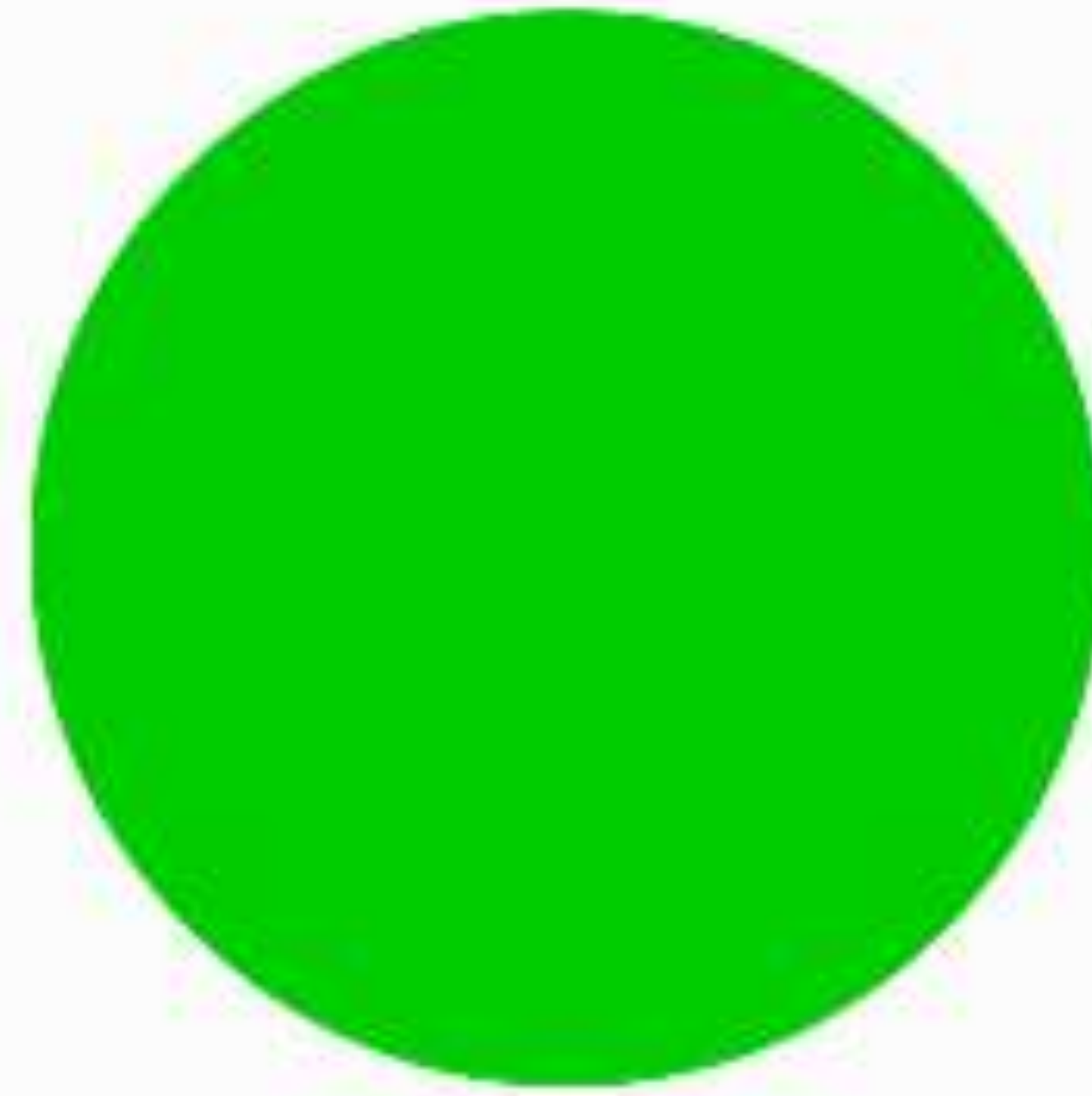


Epoch (2016)



# Shapes with CSS (1/3)

This be a circle



```
.circle {  
  width: 30vmin;  
  height: 30vmin;  
  background: #f2af29;  
  border-radius: 50%; /* This is the key line, right here */  
  margin: 0 auto;  
}
```



# Shapes with CSS (2/3)

This be a triangle



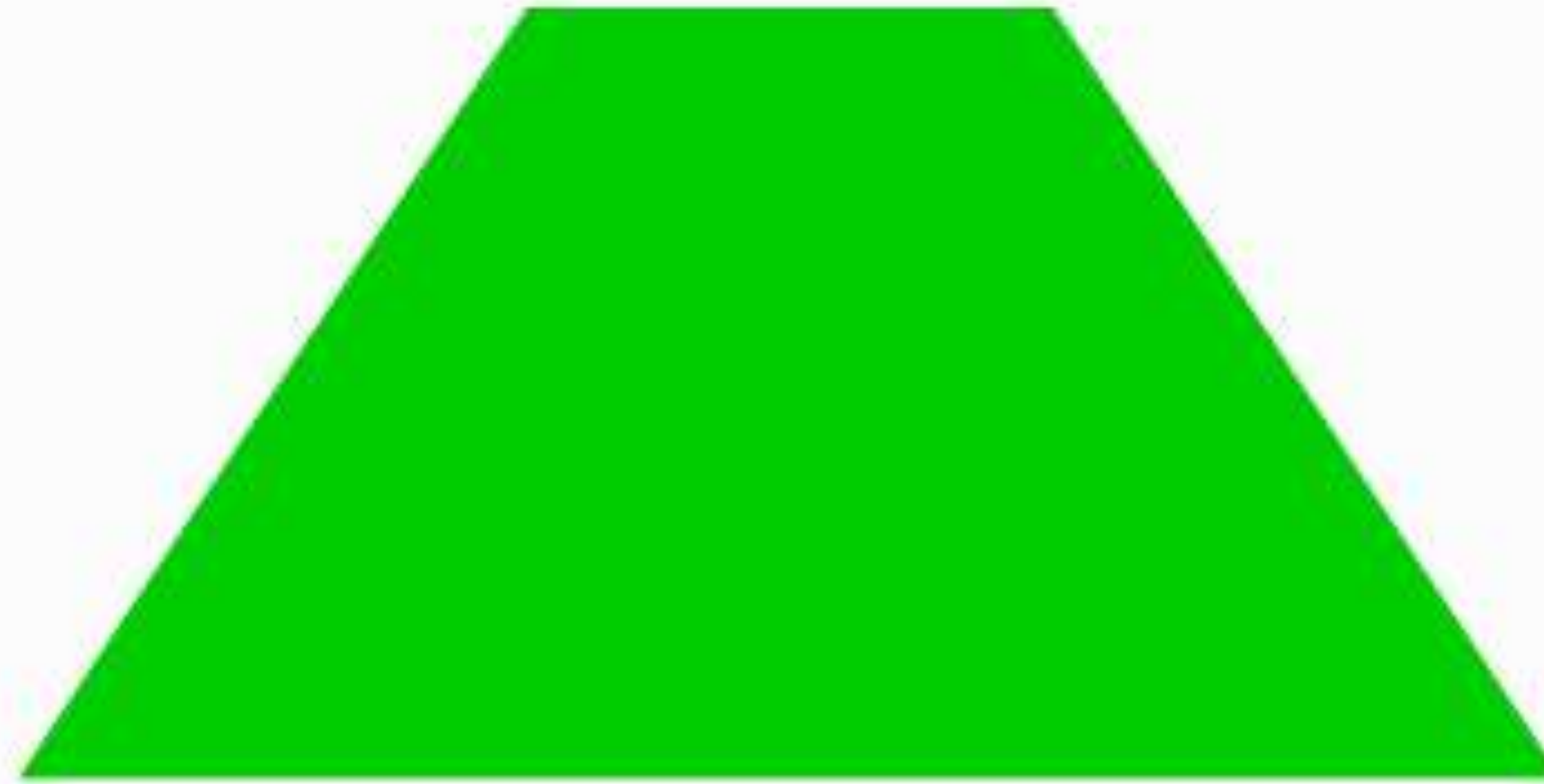
```
.triangle {  
  border-top: 18.75vmin solid transparent;  
  border-bottom: 18.75vmin solid transparent;  
  border-left: 18.75vmin solid #1e292f;  
}
```





# Shapes with CSS (3/3)

This be a trapezium



```
.trapezium {  
  width: 60vmin;  
  height: 30vmin;  
  background: #1e292f;  
  clip-path: polygon(33% 0, 67% 0, 100% 100%, 0% 100%); /* This is the key line, right  
}
```

Unfortunately, clip-path is NOT supported in Edge or IE 😞





# Pseudo-elements

:: before and :: after

```
.element::before {  
  content: '';  
  display: block;  
  width: 50%;  
  height: 50%;  
}
```

Must have the content property to work

At least have empty quotes

Not visible in the page's source, only in CSS





# Gradients

Can be used in any property that accepts images, e.g. background, list-style-image etc.

```
linear-gradient( [ <angle> | <side-or-corner> ]?, <color-stop-list> )
```

First argument specifies gradient line, defaults to to-bottom if omitted. Can use angle or keyword.

```
<color-stop-list> = <color-stop>#{2,}  
<color-stop> = <color> <length-percentage>?
```

At least 2 values, no maximum limit. Between 2 colour stops, the line's colour is linearly interpolated between the 2 colours.

For clean change between 2 colours, have 2 colour stops at the same position, i.e. at least 4 <color-stop> values needed.







```
.element {  
  background-image: linear-gradient(orange  
}
```

```
.element {  
  background-image: linear-gradient(orange  
}
```



# Box-shadow

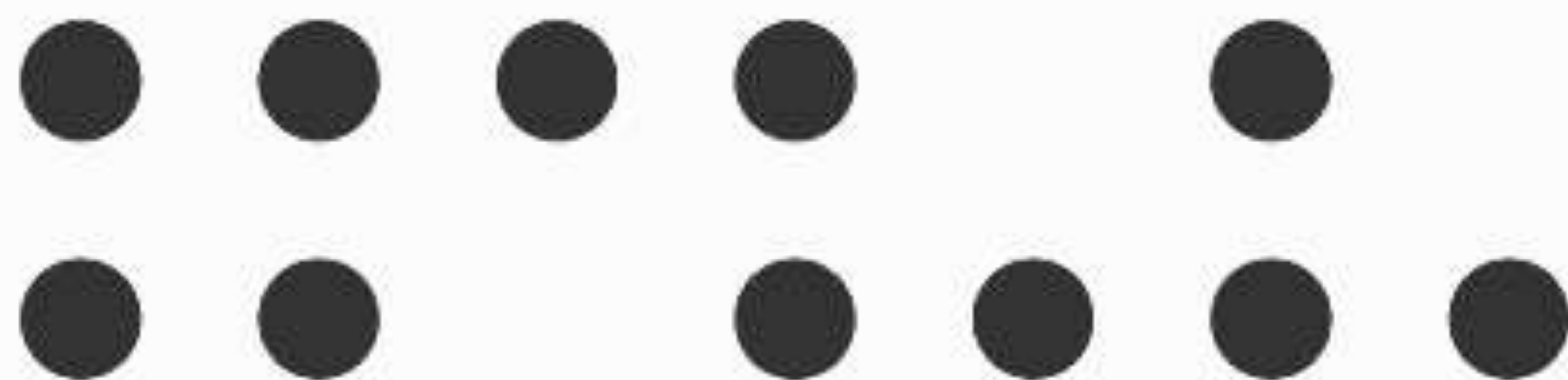
Multiple box shadows are a thing

```
box-shadow: [horizontal offset] [vertical offset] [blur radius] [optional spread radius]
```

Make use of the offsets for positioning, and the blur radius for sizing







```
.box-shadow {  
  border-radius: 50%;  
  height: 1px;  
  width: 1px;  
  box-shadow: -6em 0 0 0.5em #47473f, -4em 0 0 0.5em #47473f,  
              -2em 0 0 0.5em #47473f, 0 0 0 0.5em #47473f,  
              4em 0 0 0.5em #47473f, -6em 2em 0 0.5em #47473f,  
              -4em 2em 0 0.5em #47473f, 0 2em 0 0.5em #47473f,  
              2em 2em 0 0.5em #47473f, 4em 2em 0 0.5em #47473f,  
              6em 2em 0 0.5em #47473f;  
}
```





# Transforms

Do not work on inline elements. Transforms are cumulative and operate from their transform-origin. There are 2d and 3d transforms available.

```
.element {  
  transform-origin: 50% 50% /* Default values if not explicitly set */  
}
```

Transform functions include, rotate(), scale(), translate() and skew().

```
/* If you need multiple transforms, do this */  
.element {  
  transform: translate(-10px, -20px) scale(2);  
}
```

```
/* Do NOT do this */  
.element {  
  transform: translate(-10px, -20px);  
  transform: scale(2);  
  transform: rotate(45deg);  
}
```





# Useful links and resources

- [Single Div Drawings with CSS](#)
- [A Beginner's Guide to Pure CSS Images](#)
- [How creating CSS images made me a better developer](#)
- [How I started drawing CSS Images](#)
- [How to create pure CSS illustrations and animate them - Part 1](#)
- [How to create pure CSS illustrations and animate them - Part 2](#)
- [How to create pure CSS illustrations and animate them - Part 3](#)
- [Pure CSS Drawing Essentials](#)



# Thank you!

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