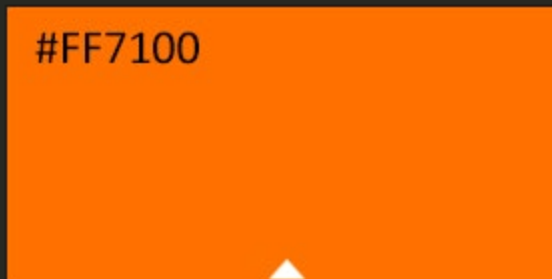


Colour with CSS

Design for web content

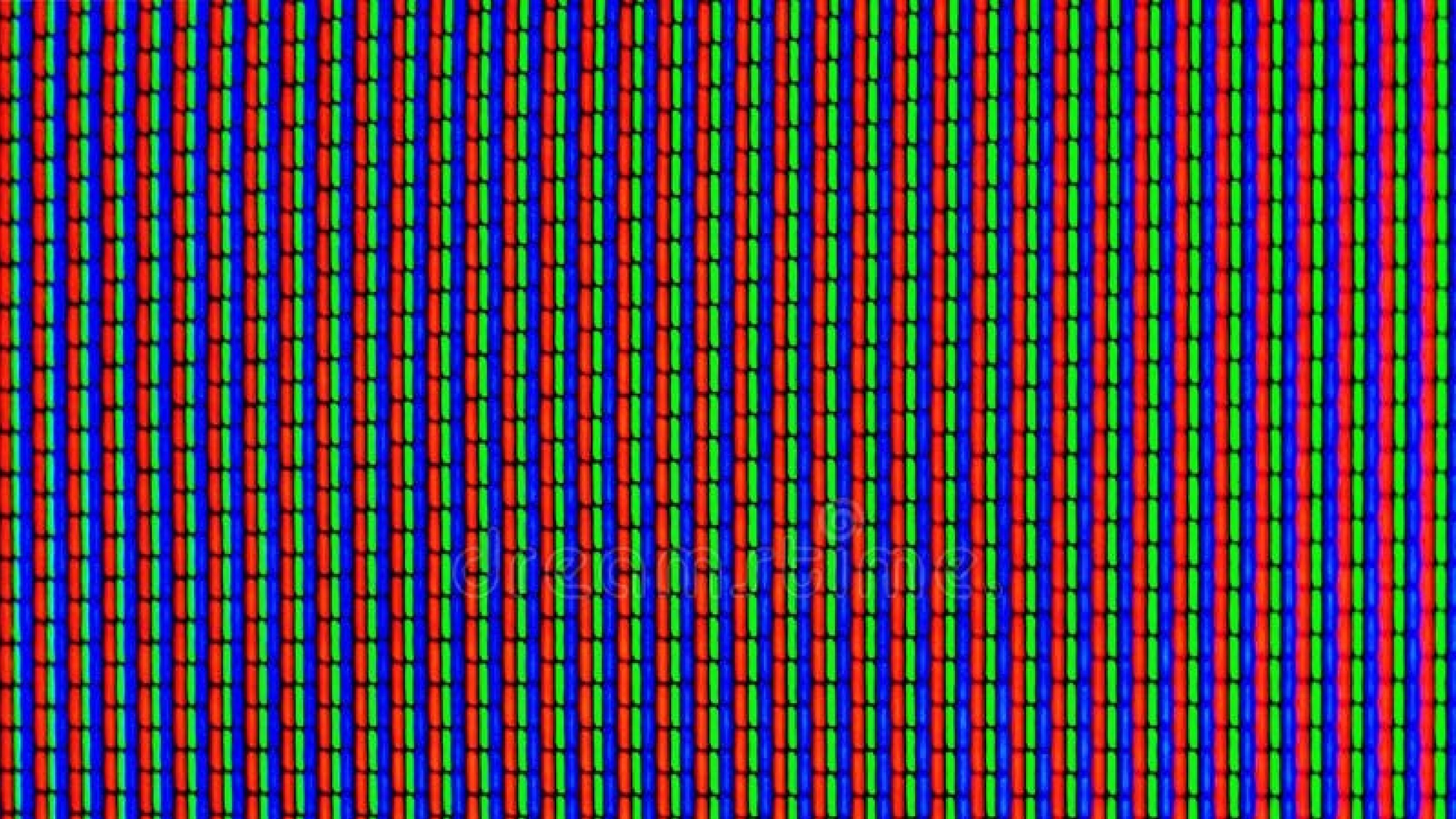
How many colours are there?



The *true colour* RGB colour space

16,777,216

256 x 256 x 256



How do we specify colours?



Specifying colours in CSS

Colours can be specified in many ways, here are the most common:

Colour name	<code>color: red;</code>
Hexadecimal (Base 16 RGB)	<code>color: #FF0000;</code>
Hex shorthand	<code>color: #F00;</code>
Hex with Alpha	<code>color: #F0000FF;</code>
RGB (Red, Green, Blue)	<code>color: rgb(255,0,0);</code>
RGBA (RGB plus Alpha)	<code>color: rgba(255,0,0,1);</code>
RGB with Alpha	<code>color: rgb(255 0 0 / 1);</code>

Alpha specifies the degree of opacity in a colour in a range from 0 = transparent to 1 = opaque.

All the colours specified above are **Red**. Currently, hexadecimal is most common, but RGB(A) tends to be used when changes to opacity are required.

Other colour spaces

HSL

```
color: hsl(30 100% 50% / 0.6);
```

Hue, Saturation, and Lightness + Opacity

Applying colours

```
body {  
    color: #EEEEEE;  
}
```

The *color* property is used to specify the foreground colour i.e. the colour of text. This property is inherited, so if applied to the body element, it will apply to all text.

```
body {  
    color: #EEEEEE;  
    background-color: #272822;  
}
```

The *background-color* property is used to specify the background colour of the element to which it is applied. If we use background-color on the body element, the whole page background will display in the chosen colour.

Colour Scheme Tools

There are lots of free colour scheme tools available online that can help in building colour palettes based on colour theory. These may be a good guide when you first start building colour pallets, but they are no substitute for careful consideration.

The screenshot shows the Adobe Color 'Color Wheel' tool interface. At the top, there are navigation tabs: 'Color Wheel', 'Extract Theme', 'Extract Gradient', 'Accessibility Tools', and 'New'. Below the tabs, there's a section for 'Apply Color Harmony' with a list of rules: Analogous, Monochromatic, Triad (selected), Complementary, Split Complementary, Double Split Complementary, Square, Compound, Shades, and Custom. A central color wheel displays a triad scheme with three points connected by lines. Below the wheel, five color swatches are shown, labeled A through E, with their corresponding hex codes: #324794, #E07D60, #7089E0, #A0E05A, and #7F9469. At the bottom, there's a 'Color Mode' dropdown set to 'RGB' and a grid of color sliders for R, G, and B channels. The footer contains links for Language (English), User Forums, Community Guidelines, Copyright © 2021 Adobe, Privacy, Terms of Use, and Cookie preferences, along with the Adobe logo.

<https://color.adobe.com/create/color-wheel>



Colour is as much a science as it is an art. Just like typography, it requires study.

The End .