

Converting Colors

XYZ(55.4627, 80.1029, 83.9648)

Have a look what the booklet for
XYZ(55.4627, 80.1029, 83.9648)
contains.

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Color

**XYZ(55.4140, 80.0820,
83.7709)**

Conversions

Conversions Part 1

Format	Color
Hex	6BFFE1
RGB	107, 255, 225
RGB Percent	42%, 100%, 88%
CMY	0.5804, 0.0000, 0.1176
CMYK	0.58, 0.00, 0.12, 0.00
HSL	168°, 100%, 71%
HSV	168°, 58%, 100%
XYZ	55.4140, 80.0820, 83.7709
YIQ	207.3280, -78.5780, -40.7060

Conversions

Conversions Part 2

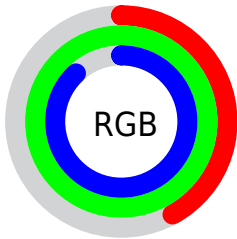
Format	Color
RYB	107, 189, 255
Decimal	7077857
CIELab	91.72, -46.62, 2.46
CIELCh	92, 46.683, 176.974
Yxy	80.0820, 0.2527, 0.3652
Android (android.graphics.Color)	4285267937 (0xFF6BFFE1)
YUV	207.3280, 8.7123, -87.9877
Hunter-Lab	89.4885, -46.0724, 7.1402

Details

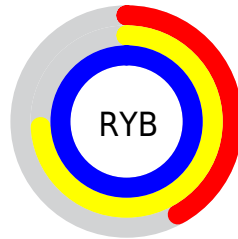
The XYZ color **55.4140, 80.0820, 83.7709** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.0139, 33.5828, 27.4617**, and the grayscale version is **59.5021, 62.6008, 68.1723**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **27.5986, 43.0290, 44.8810** is the 20% darker color. If you saturate the color by 10%, you get **52.0930, 78.4502, 79.9912**, and if you desaturate by 10%, it is **59.6619, 82.1892, 87.7082**.

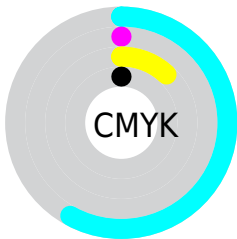
Distribution



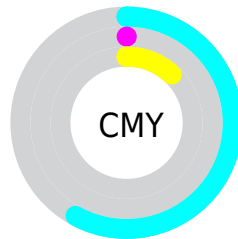
- Red (42%)
- Green (100%)
- Blue (88%)



- Red (42%)
- Yellow (74%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4140, 80.0820, 83.7709 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 55.4140, 80.0820, 83.7709 by changing the saturation by 10% instead.


 55.4140, 80.0820,
83.7709


 55.4140, 80.0820,
83.7709


397.5903,
495.2091, 527.5903


 39.9684, 59.7858,
62.2820


 97.2921, 133.4810,
140.5135

 27.6980, 43.2460,
44.8233


 124.4553,
167.3527, 176.6043

 18.2374, 30.0782,
30.9764


 156.2550,
206.5182, 218.3995

 11.2213, 19.8980,
20.3225

193.0568,
251.3622, 266.3177

 6.2843, 12.3209,
12.4433

235.2258,
302.2688, 320.7773

 3.0610, 6.9626,
6.9202

283.1275,

 1.1861, 3.4387,

359.6226, 382.1969

3.3345

337.1272,
423.8079, 450.9950

■ 0.0954, 1.3648,
1.2679

■ 0.0000, 0.1906,
0.0353

■ 55.4140, 80.0820,
83.7709

■ 55.4140, 80.0820,
83.7709

■ 52.0930, 78.4502,
79.9912

■ 59.6619, 82.1892,
87.7082

■ 49.6138, 77.2500,
76.3599


■ 64.9062, 84.8075,
91.8032

■ 47.8804, 76.4317,
72.8730

■ 71.2128, 87.9709,
96.0613

■ 46.7610, 75.9276,
69.5234

■ 78.6411, 91.7101,
100.4861

 46.5767, 75.8467,
68.8802

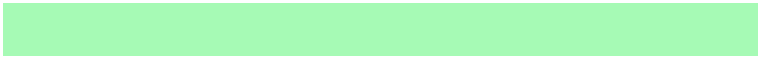
 87.2463, 96.0535,
105.0812

95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.4437, 80.0820, 56.0453



55.4140, 80.0820, 83.7709



57.4334, 80.0820, 120.5492

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.4140, 80.0820, 83.7709



87.0114, 80.0820, 159.9003



89.3264, 80.0820, 42.8699

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55.4140, 80.0820, 83.7709



51.0139, 33.5828, 27.4617

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.4644, 80.0820, 60.6427



55.4140, 80.0820, 83.7709



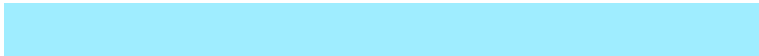
97.0326, 80.0820, 128.1643

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.4140, 80.0820, 83.7709



74.9101, 80.0820, 170.7147



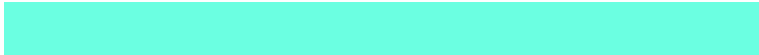
101.4208, 80.0820, 90.7126



77.3338, 80.0820, 36.6382

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.4140, 80.0820, 83.7709



61.5005, 80.0820, 144.6362



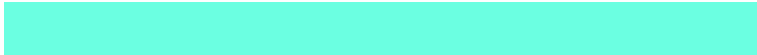
101.4208, 80.0820, 90.7126



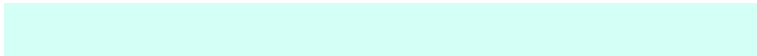
92.8799, 80.0820, 47.4200

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55.4150, 80.0825, 83.7723



79.4779, 92.1320, 100.9547



49.0735, 78.0767, 26.3954



16.6670, 19.5464, 21.4145



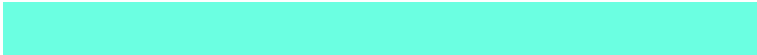
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.4150, 80.0825, 83.7723



51.5427, 78.1820, 79.2667



47.9255, 57.9690, 103.2709



18.3878, 20.4146, 22.3451



24.3926, 39.6536, 36.2824



2.4131, 3.8762, 3.7331

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.0139, 33.5828, 27.4617



46.8218, 27.6831, 18.4045



54.6317, 43.7967, 19.4857



18.1599, 18.0473, 19.4592



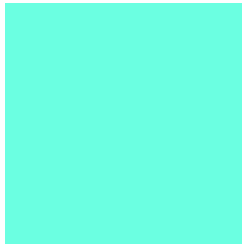
21.9111, 11.2537, 2.9165



2.1703, 1.1105, 0.4781

Previews

White Background



This preview shows how the XYZ color 55.4140, 80.0820, 83.7709 looks on a white background.

Color Contrast Check

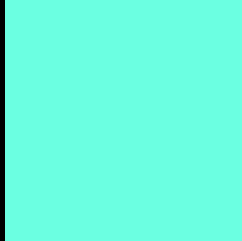
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 55.4140, 80.0820, 83.7709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.4140, 80.0820, 83.7709

Background



This preview shows how black text looks on a background with the XYZ color 55.4140, 80.0820, 83.7709.

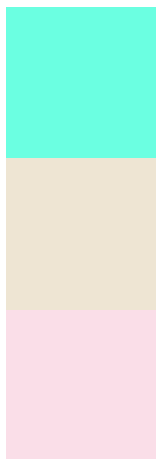


This preview shows how white text looks on a background with the XYZ color 55.4140, 80.0820,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

55.4140, 80.0820, 83.7709

Protanopia

75.0371, 78.9189, 72.9060

Deuteranopia

80.1111, 78.3927, 87.2529



Tritanopia

66.8154, 79.4949, 106.4303

Trichromacy



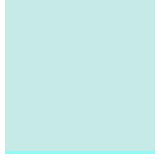
Original Color

55.4140, 80.0820, 83.7709



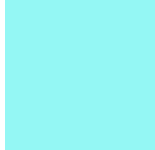
Protanomaly

64.2044, 77.0541, 76.4547



Deuteranomaly

66.8544, 76.5085, 85.3728



Tritanomaly

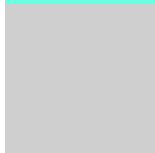
61.8026, 79.3491, 97.6465

Monochromacy



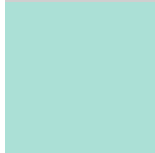
Original Color

55.4140, 80.0820, 83.7709



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.5878, 66.8243, 73.5869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4140, 80.0820, 83.7709 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(107, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 225)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(107, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 55.4140, 80.0820, 83.7709 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 255, 225) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(107, 255, 225) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(107, 255, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4140, 80.0820, 83.7709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 225) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(107,  
255, 225) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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