

Converting Colors

XYZ(60.1416, 89.1293, 85.1140)

Have a look what the booklet for
XYZ(60.1416, 89.1293, 85.1140)
contains.

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Color

**XYZ(55.7810, 80.2712,
83.7881)**

Conversions

Conversions Part 1

Format	Color
Hex	6EFFE1
RGB	110, 255, 225
RGB Percent	43%, 100%, 88%
CMY	0.5686, 0.0000, 0.1176
CMYK	0.57, 0.00, 0.12, 0.00
HSL	168°, 100%, 72%
HSV	168°, 57%, 100%
XYZ	55.7810, 80.2712, 83.7881
YIQ	208.2250, -76.7900, -40.0700

Conversions

Conversions Part 2

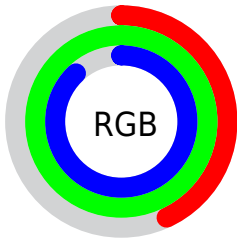
Format	Color
RYB	110, 191, 255
Decimal	7274465
CIELab	91.81, -46.06, 2.60
CIELCh	92, 46.137, 176.772
Yxy	80.2712, 0.2537, 0.3651
Android (android.graphics.Color)	4285464545 (0xFF6EFFE1)
YUV	208.2250, 8.2701, -86.1433
Hunter-Lab	89.5942, -45.6564, 7.2682

Details

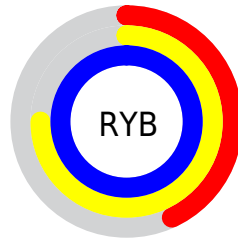
The XYZ color **55.7810, 80.2712, 83.7881** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.5504, 34.3066, 28.7171**, and the grayscale version is **60.0844, 63.2134, 68.8394**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **28.0770, 43.6138, 44.9687** is the 20% darker color. If you saturate the color by 10%, you get **52.3436, 78.5810, 79.9291**, and if you desaturate by 10%, it is **60.1552, 82.4417, 87.8098**.

Distribution



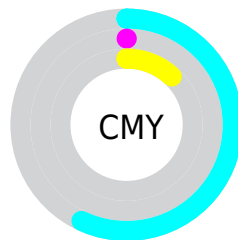
- Red (43%)
- Green (100%)
- Blue (88%)



- Red (43%)
- Yellow (75%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7810, 80.2712, 83.7881 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 55.7810, 80.2712, 83.7881 by changing the saturation by 10% instead.


 55.7810, 80.2712,
83.7881

 55.7810, 80.2712,
83.7881


398.9541,
495.8463, 527.6490

 40.2637, 59.9415,
62.2961


 97.8260, 133.7470,
140.5378

 27.9293, 43.3715,
44.8347


 125.0843,
167.6619, 176.6326

 18.4126, 30.1767,
30.9852


 156.9871,
206.8740, 218.4321

 11.3481, 19.9728,
20.3292

193.8996,
251.7677, 266.3549

 6.3705, 12.3752,
12.4481

236.1872,
302.7273, 320.8194

 3.1144, 6.9998,
6.9234

284.2152,

 1.2146, 3.4620,

360.1374, 382.2442

3.3365

338.3491,
424.3823, 451.0479

■ 0.1178, 1.3774,
1.2689

■ 0.0000, 0.2000,
0.0361

■ 55.7810, 80.2712,
83.7881

■ 55.7810, 80.2712,
83.7881

■ 52.3436, 78.5810,
79.9291

■ 60.1552, 82.4417,
87.8098

■ 49.7592, 77.3281,
76.2236


■ 65.5345, 85.1278,
91.9944


■ 47.9338, 76.4638,
72.6678

■ 71.9844, 88.3632,
96.3471

■ 46.7472, 75.9265,
69.2547

■ 79.5636, 92.1781,
100.8719

 46.4495, 75.7958,
68.2099

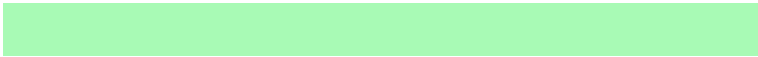
 88.3267, 96.6007,
105.5721

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.



58.8208, 80.2712, 56.3688



55.7810, 80.2712, 83.7881



57.7515, 80.2712, 120.1181

Triad

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



55.7810, 80.2712, 83.7881



86.9965, 80.2712, 159.3366



89.4379, 80.2712, 43.4811

Complementary

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



55.7810, 80.2712, 83.7881



51.5504, 34.3066, 28.7171

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.



98.4362, 80.2712, 61.2409



55.7810, 80.2712, 83.7881



96.9275, 80.2712, 128.1361

Square

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



55.7810, 80.2712, 83.7881



75.0229, 80.2712, 169.8157



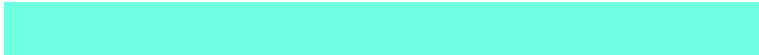
101.3080, 80.2712, 91.1177



77.5821, 80.2712, 37.1948

Rectangle

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



55.7810, 80.2712, 83.7881



61.7652, 80.2712, 143.9176



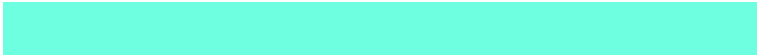
101.3080, 80.2712, 91.1177



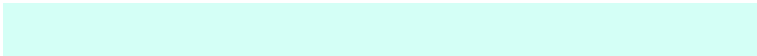
92.9423, 80.2712, 48.0392

Sweetspot

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



55.7820, 80.2717, 83.7895



79.4499, 92.1208, 100.8076



49.6310, 78.3456, 27.2598



16.6604, 19.5437, 21.3795



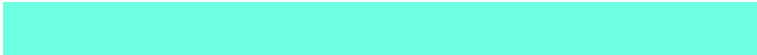
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.7820, 80.2717, 83.7895



52.0077, 78.4170, 79.4992



48.5069, 58.5871, 103.3596



18.3844, 20.4133, 22.3271



24.3269, 39.6273, 35.9361



2.4072, 3.8738, 3.7023

Inverse Universe

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



51.5504, 34.3066, 28.7171



47.4661, 28.5300, 19.9815



55.1354, 44.5472, 20.4459



18.1631, 18.0485, 19.4759



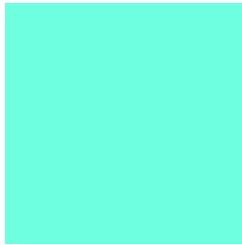
21.9245, 11.2591, 2.9868



2.1720, 1.1112, 0.4872

Previews

White Background



This preview shows how the XYZ color 55.7810, 80.2712, 83.7881 looks on a white background.

Color Contrast Check

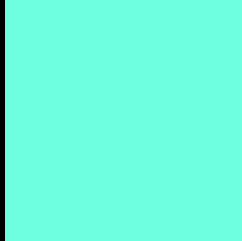
Large Text (above 18pt) WCAG AA × Fail

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 55.7810, 80.2712, 83.7881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

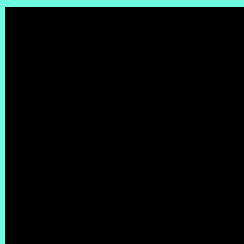
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

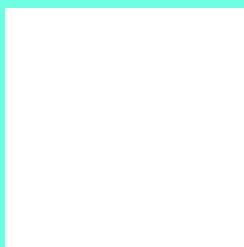
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.7810, 80.2712, 83.7881

Background



This preview shows how black text looks on a background with the XYZ color 55.7810, 80.2712, 83.7881.



This preview shows how white text looks on a background with the XYZ color 55.7810, 80.2712,

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

55.7810, 80.2712, 83.7881

Protanopia

75.0371, 78.9189, 72.9060

Deuteranopia

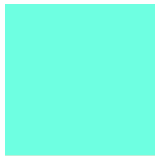
80.7368, 79.1108, 87.3585



Tritanopia

67.2577, 79.7229, 106.4510

Trichromacy



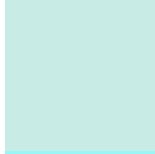
Original Color

55.7810, 80.2712, 83.7881



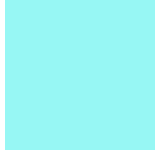
Protanomaly

64.4551, 77.1833, 76.4665



Deuteranomaly

67.6706, 77.3532, 85.4928



Tritanomaly

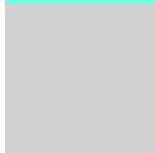
62.3524, 79.6325, 97.6722

Monochromacy



Original Color

55.7810, 80.2712, 83.7881



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.0761, 67.4761, 73.6870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7810, 80.2712, 83.7881 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(110, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(110, 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(110, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 55.7810, 80.2712, 83.7881 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(110, 255, 225) }
```


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

```
.border{ border-color:rgb(110, 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(110, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(110, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7810, 80.2712, 83.7881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 225) }
```

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

```
.background{ background-color: rgb(110,  
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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