

Converting Colors

XYZ(87.4817, 144.5874,
85.3446)

Have a look what the booklet for
XYZ(87.4817, 144.5874, 85.3446)
contains.

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Color

**XYZ(55.3894, 80.2665,
74.8610)**

Conversions

Conversions Part 1

Format	Color
Hex	78FFD4
RGB	120, 255, 212
RGB Percent	47%, 100%, 83%
CMY	0.5294, 0.0000, 0.1686
CMYK	0.53, 0.00, 0.17, 0.00
HSL	161°, 100%, 74%
HSV	161°, 53%, 100%
XYZ	55.3894, 80.2665, 74.8610
YIQ	209.7330, -66.6570, -41.9930

Conversions

Conversions Part 2

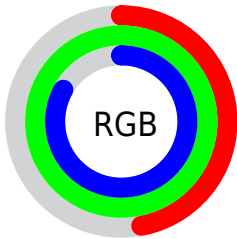
Format	Color
RYB	120, 200, 255
Decimal	7929812
CIELab	91.80, -47.04, 9.35
CIELCh	92, 47.956, 168.758
Yxy	80.2665, 0.2631, 0.3813
Android (android.graphics.Color)	4286119892 (0xFF78FFD4)
YUV	209.7330, 1.1176, -78.6958
Hunter-Lab	89.5916, -46.4288, 13.1725

Details

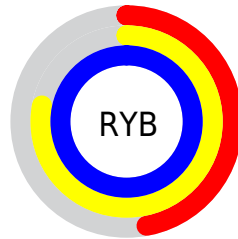
The XYZ color **55.3894, 80.2665, 74.8610** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.5681, 37.3384, 38.9824**, and the grayscale version is **61.1080, 64.2903, 70.0122**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **27.5203, 43.1237, 38.7715** is the 20% darker color. If you saturate the color by 10%, you get **51.3127, 78.2803, 69.4564**, and if you desaturate by 10%, it is **60.4608, 82.7595, 80.5839**.

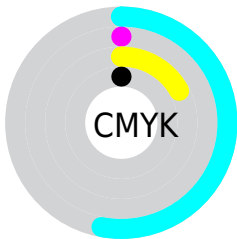
Distribution



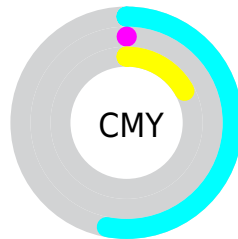
- Red (47%)
- Green (100%)
- Blue (83%)



- Red (47%)
- Yellow (78%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3894, 80.2665, 74.8610 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 55.3894, 80.2665, 74.8610 by changing the saturation by 10% instead.


 55.3894, 80.2665,
74.8610


 55.3894, 80.2665,
74.8610


397.4988,
495.8305, 496.6823


 39.9486, 59.9377,
54.9980


 97.2563, 133.7404,
127.8609

 27.6825, 43.3684,
39.0015


 124.4131,
167.6542, 161.8348

 18.2257, 30.1743,
26.4531


 156.2059,
206.8651, 201.3494

 11.2128, 19.9709,
16.9341

193.0002,
251.7576, 246.8233

 6.2785, 12.3739,
10.0260

235.1613,
302.7160, 298.6750

 3.0574, 6.9989,
5.3104

283.0545,

 1.1842, 3.4614,

360.1246, 357.3231

2.3686

337.0452,
424.3680, 423.1860

■ 0.0938, 1.3771,
0.7693

■ 0.0000, 0.1997,
0.0000

■ 55.3894, 80.2665,
74.8610

■ 55.3894, 80.2665,
74.8610

■ 51.3127, 78.2803,
69.4564

■ 60.4608, 82.7595,
80.5839

■ 48.1508, 76.7599,
64.3585

■ 66.5933, 85.7935,
86.6281

■ 45.8154, 75.6597,
59.5604

■ 73.8503, 89.4011,
93.0016

■ 44.1983, 74.9241,
55.0530

■ 82.2892, 93.6118,
99.7107

■ 43.3784, 74.5674,
52.0382

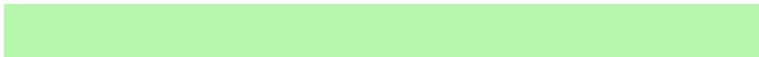
■ 91.9638, 98.4531,
106.7615

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.



59.8723, 80.2665, 49.9559



55.3894, 80.2665, 74.8610



56.0393, 80.2665, 111.0055

Triad

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



55.3894, 80.2665, 74.8610



84.1417, 80.2665, 168.3745



92.9460, 80.2665, 45.7601

Complementary

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



55.3894, 80.2665, 74.8610



54.5681, 37.3384, 38.9824

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.



100.9138, 80.2665, 67.3976



55.3894, 80.2665, 74.8610



95.4661, 80.2665, 140.0079

Square

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



55.3894, 80.2665, 74.8610



71.7781, 80.2665, 171.9534



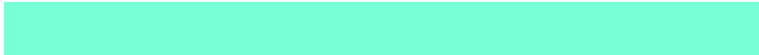
101.8826, 80.2665, 101.2588



80.9890, 80.2665, 36.4209

Rectangle

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



55.3894, 80.2665, 74.8610



59.3142, 80.2665, 136.9555



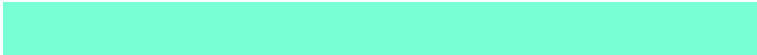
101.8826, 80.2665, 101.2588



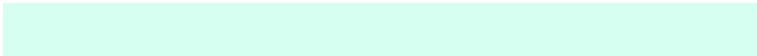
96.2323, 80.2665, 51.5188

Sweetspot

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



55.3902, 80.2669, 74.8624



79.5777, 92.2573, 97.6213



54.6681, 80.8758, 30.5000



16.6563, 19.5589, 20.5980



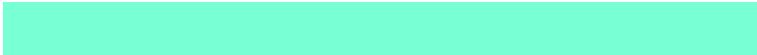
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.3902, 80.2669, 74.8624



50.9354, 78.0977, 68.9013



54.7941, 69.2089, 105.0784



18.2942, 20.3772, 21.8523



22.7371, 38.9914, 27.5646



2.2636, 3.8164, 2.9458

Inverse Universe

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



54.5681, 37.3384, 38.9824



50.0672, 30.8866, 29.6209



54.3785, 42.1124, 23.0331



18.2478, 18.0824, 19.9218



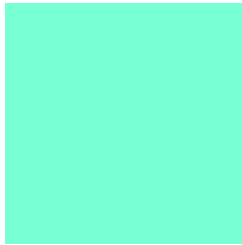
22.3888, 11.4448, 5.4320



2.2271, 1.1332, 0.7775

Previews

White Background



This preview shows how the XYZ color 55.3894, 80.2665, 74.8610 looks on a white background.

Color Contrast Check

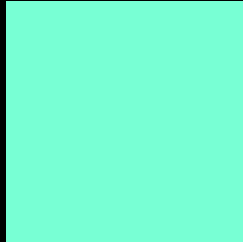
Large Text (above 18pt) WCAG AA × Fail

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 55.3894, 80.2665, 74.8610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

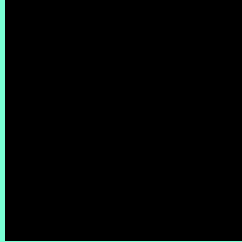
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.3894, 80.2665, 74.8610

Background



This preview shows how black text looks on a background with the XYZ color 55.3894, 80.2665, 74.8610.



This preview shows how white text looks on a background with the XYZ color 55.3894, 80.2665,

74.8610.

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

55.3894, 80.2665, 74.8610

Protanopia

74.6037, 78.8629, 65.3229

Deuteranopia

80.2795, 78.6699, 78.6638



Tritanopia

67.4098, 79.3607, 106.3730

Trichromacy



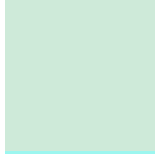
Original Color

55.3894, 80.2665, 74.8610



Protanomaly

64.4996, 77.3790, 68.6629



Deuteranomaly

67.4008, 76.9772, 76.9513



Tritanomaly

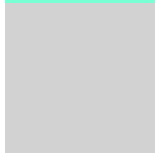
62.2461, 79.2114, 93.6700

Monochromacy



Original Color

55.3894, 80.2665, 74.8610



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

57.0857, 68.4430, 71.8301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3894, 80.2665, 74.8610 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(120, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 212)  
}
```

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(120, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 55.3894, 80.2665, 74.8610 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(120, 255, 212) }
```


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

```
.border{ border-color:rgb(120, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3894, 80.2665, 74.8610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 212) }
```

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

```
.background{ background-color: rgb(120,  
255, 212) }
```

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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