

Converting Colors

XYZ(55.7986, 74.3883, 95.5841)

Have a look what the booklet for
XYZ(55.7986, 74.3883, 95.5841)
contains.

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Color

**XYZ(55.8233, 74.5051,
95.4431)**

Conversions

Conversions Part 1

Format	Color
Hex	78F3F2
RGB	120, 243, 242
RGB Percent	47%, 95%, 95%
CMY	0.5294, 0.0470, 0.0510
CMYK	0.51, 0.00, 0.00, 0.05
HSL	180°, 84%, 71%
HSV	180°, 51%, 95%
XYZ	55.8233, 74.5051, 95.4431
YIQ	206.1090, -72.9870, -26.3870

Conversions

Conversions Part 2

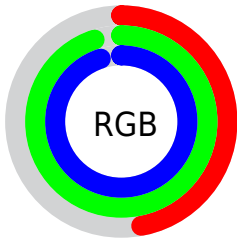
Format	Color
R_{YB}	120, 182, 243
Decimal	7926770
CIE _{Lab}	89.16, -34.55, -10.10
CIE _{LCh}	89, 35.998, 196.287
Yxy	74.5051, 0.2473, 0.3300
Android (android.graphics.Color)	4286116850 (0xFF78F3F2)
YUV	206.1090, 17.6943, -75.5176
Hunter-Lab	86.3163, -35.6124, -5.1377

Details

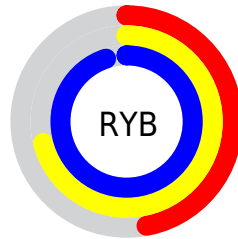
The XYZ color **55.8233, 74.5051, 95.4431** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **47.1323, 33.8703, 22.1451**, and the grayscale version is **58.6617, 61.7167, 67.2095**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **27.8900, 39.4199, 52.5932** is the 20% darker color. If you saturate the color by 10%, you get **52.8422, 72.9735, 95.1500**, and if you desaturate by 10%, it is **59.6639, 76.4833, 95.7799**.

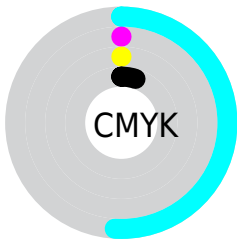
Distribution



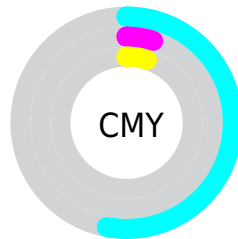
- Red (47%)
- Green (95%)
- Blue (95%)



- Red (47%)
- Yellow (71%)
- Blue (95%)



- Cyan (51%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)





- Cyan (53%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8233, 74.5051, 95.4431 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 55.8233, 74.5051, 95.4431 by changing the saturation by 10% instead.

 55.8233, 74.5051,
95.4431


 55.8233, 74.5051,
95.4431


399.1111,
476.2148, 566.6031


 40.2977, 55.2075,
71.9049


 97.8875, 125.6116,
156.8775

 27.9560, 39.5679,
52.5946


 125.1568,
158.1893, 195.6107

 18.4328, 27.2018,
37.0938


 157.0714,
195.9625, 240.2460

 11.3627, 17.7248,
24.9837

193.9966,
239.3156, 291.2020

 6.3804, 10.7526,
15.8460

236.2979,
288.6329, 348.8972

 3.1206, 5.9007,
9.2621

284.3404,

 1.2179, 2.7848,

344.2990, 413.7500

4.8134

338.4897,
406.6982, 486.1792

■ 0.1204, 1.0205,
2.0814

■ 0.0000, 0.0000,
0.6046

■ 55.8233, 74.5051,
95.4431

■ 55.8233, 74.5051,
95.4431

■ 52.8422, 72.9735,
95.1500

■ 59.6639, 76.4833,
95.7799

■ 50.6479, 71.8457,
94.8923


■ 64.4164, 78.9299,
96.1578


■ 49.1670, 71.0857,
94.6681


■ 70.1369, 81.8755,
96.5813


■ 48.3092, 70.6469,
94.4733


■ 76.8751, 85.3457,
97.0525


 47.9325, 70.4559,
94.3106

 84.6773, 89.3644,
97.5737

 89.4982, 91.8462,
97.9555

 89.5282, 91.8582,
98.1133

 89.5581, 91.8702,
98.2713

 89.5882, 91.8822,
98.4294

Harmonies

Analogous

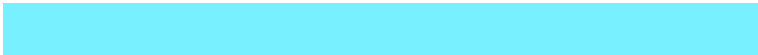
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.6561, 74.5051, 70.1995



55.8233, 74.5051, 95.4431



59.7838, 74.5051, 121.3012

Triad

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



55.8233, 74.5051, 95.4431



83.7234, 74.5051, 119.3054



74.8902, 74.5051, 42.6534

Complementary

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



55.8233, 74.5051, 95.4431



47.1323, 33.8703, 22.1451

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.



83.1256, 74.5051, 50.9699



55.8233, 74.5051, 95.4431



88.5029, 74.5051, 93.1256

Square

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



55.8233, 74.5051, 95.4431



75.6527, 74.5051, 136.9044



88.2755, 74.5051, 68.3128



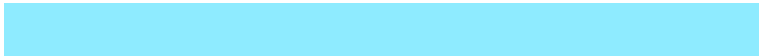
66.1878, 74.5051, 43.0204

Rectangle

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



55.8233, 74.5051, 95.4431



64.2442, 74.5051, 133.8927



88.2755, 74.5051, 68.3128



77.8190, 74.5051, 44.4381

Sweetspot

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



55.8255, 74.5080, 95.4449



82.3009, 93.4334, 108.0416



43.4761, 69.6014, 28.9139



17.2783, 19.8248, 23.1017



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.



55.8255, 74.5080, 95.4449



58.8014, 81.3367, 106.1417



40.9728, 44.5610, 91.2389



16.9906, 18.7554, 21.2347



26.3088, 38.6683, 51.7731



2.3141, 3.3993, 4.5601

Inverse Universe

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



47.1323, 33.8703, 22.1451



48.0797, 31.2032, 15.7283



56.5654, 52.8344, 24.9877



16.5047, 16.4847, 17.1381



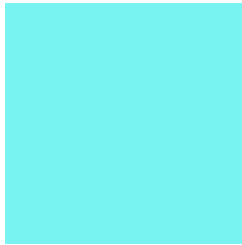
20.2945, 10.4612, 0.9931



1.7856, 0.9202, 0.0972

Previews

White Background



This preview shows how the XYZ color 55.8233, 74.5051, 95.4431 looks on a white background.

Color Contrast Check

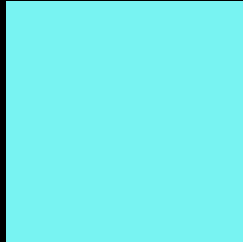
Large Text (above 18pt) WCAG AA × Fail

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 55.8233, 74.5051, 95.4431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

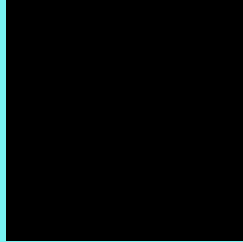
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8233, 74.5051, 95.4431

Background



This preview shows how black text looks on a background with the XYZ color 55.8233, 74.5051, 95.4431.

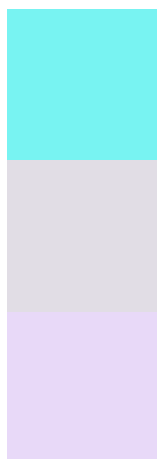


This preview shows how white text looks on a background with the XYZ color 55.8233, 74.5051,

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

55.8233, 74.5051, 95.4431

Protanopia

71.0506, 73.3776, 84.5473

Deuteranopia

75.0348, 73.5588, 99.0504



Tritanopia

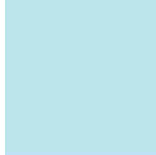
60.1261, 74.2984, 105.7798

Trichromacy



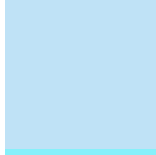
Original Color

55.8233, 74.5051, 95.4431



Protanomaly

63.3641, 72.5439, 88.5046



Deuteranomaly

65.3168, 72.1229, 97.6673



Tritanomaly

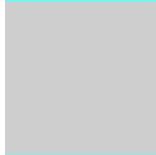
58.4071, 74.3732, 101.7196

Monochromacy



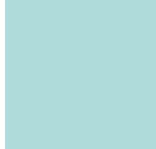
Original Color

55.8233, 74.5051, 95.4431



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.7969, 64.8915, 76.6023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8233, 74.5051, 95.4431 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, 243, 242)` looks like.

```
.text, #text, p{  
    color:rgb(120, 243, 242)  
}
```

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, 243, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 243, 242) }
```

Border

The CSS property to change the border of an element to XYZ 55.8233, 74.5051, 95.4431 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, 243, 242) }
```


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

```
.border{ border-color:rgb(120, 243, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 243, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 243, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 243, 242);  
box-shadow:4px 4px 4px 4px rgb(120, 243,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8233, 74.5051, 95.4431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 243, 242) }
```

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

```
.background{ background-color: rgb(120,  
243, 242) }
```

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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