

Converting Colors

XYZ(55.1659, 80.0275, 80.4447)

Have a look what the booklet for
XYZ(55.1659, 80.0275, 80.4447)
contains.

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Color

**XYZ(55.1087, 80.0023,
80.2476)**

Conversions

Conversions Part 1

Format	Color
Hex	6EFFDC
RGB	110, 255, 220
RGB Percent	43%, 100%, 86%
CMY	0.5686, 0.0000, 0.1372
CMYK	0.57, 0.00, 0.14, 0.00
HSL	166°, 100%, 72%
HSV	166°, 57%, 100%
XYZ	55.1087, 80.0023, 80.2476
YIQ	207.6550, -75.1850, -41.6250

Conversions

Conversions Part 2

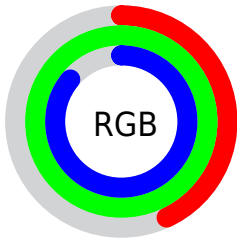
Format	Color
RYB	110, 192, 255
Decimal	7274460
CIELab	91.69, -47.23, 5.01
CIELCh	92, 47.497, 173.947
Yxy	80.0023, 0.2559, 0.3715
Android (android.graphics.Color)	4285464540 (0xFF6EFFDC)
YUV	207.6550, 6.0861, -85.6434
Hunter-Lab	89.4440, -46.5487, 9.4169

Details

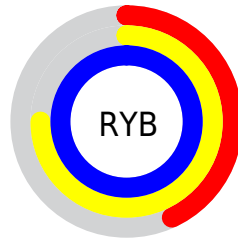
The XYZ color **55.1087, 80.0023, 80.2476** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.9276, 34.4575, 30.7035**, and the grayscale version is **59.7281, 62.8386, 68.4312**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **27.3850, 42.9725, 42.4485** is the 20% darker color. If you saturate the color by 10%, you get **51.5796, 78.2754, 75.9060**, and if you desaturate by 10%, it is **59.5822, 82.2125, 84.7928**.

Distribution



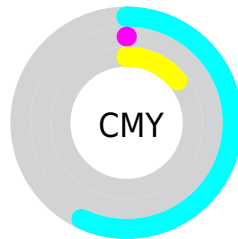
- Red (43%)
- Green (100%)
- Blue (86%)



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



- Cyan (57%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1087, 80.0023, 80.2476 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 55.1087, 80.0023, 80.2476 by changing the saturation by 10% instead.


 55.1087, 80.0023,
80.2476


 55.1087, 80.0023,
80.2476


396.4536,
494.9406, 515.4956

 39.7229, 59.7202,
59.3948


 96.8476, 133.3690,
135.5283

 27.5058, 43.1932,
42.5089


 123.9314,
167.2224, 170.7933

 18.0920, 30.0367,
29.1714


 155.6454,
206.3683, 211.6994

 11.1162, 19.8665,
18.9638

192.3547,
251.1913, 258.6652

 6.2129, 12.2980,
11.4676

234.4249,
302.0756, 312.1091

 3.0169, 6.9470,
6.2642

282.2211,

 1.1627, 3.4290,

359.4056, 372.4498

2.9350

336.1089,
423.5658, 440.1058

■ 0.0766, 1.3596,
1.0615

■ 0.0000, 0.1866,
0.0000

■ 55.1087, 80.0023,
80.2476

■ 55.1087, 80.0023,
80.2476

■ 51.5796, 78.2754,
75.9060

■ 59.5822, 82.2125,
84.7928

■ 48.9112, 76.9889,
71.7584

■ 65.0689, 84.9416,
89.5424

■ 47.0094, 76.0941,
67.8000

■ 71.6341, 88.2231,
94.5025

■ 45.7538, 75.5291,
64.0235

■ 79.3367, 92.0874,
99.6773

■ 45.4359, 75.3903,
62.8724

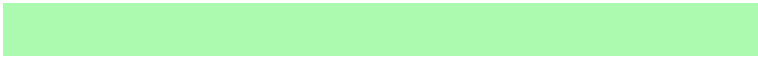
■ 88.2315, 96.5626,
105.0709

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.



58.6857, 80.0023, 53.3899



55.1087, 80.0023, 80.2476



56.6388, 80.0023, 117.1590

Triad

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



55.1087, 80.0023, 80.2476



85.9135, 80.0023, 163.6060



90.6221, 80.0023, 43.4679

Complementary

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



55.1087, 80.0023, 80.2476



51.9276, 34.4575, 30.7035

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.



99.4311, 80.0023, 62.6940



55.1087, 80.0023, 80.2476



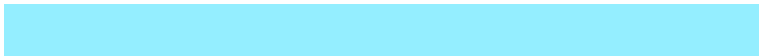
96.5165, 80.0023, 132.6757

Square

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



55.1087, 80.0023, 80.2476



73.6047, 80.0023, 171.9360



101.6951, 80.0023, 94.3506



78.5280, 80.0023, 36.1066

Rectangle

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



55.1087, 80.0023, 80.2476



60.4409, 80.0023, 142.2289



101.6951, 80.0023, 94.3506



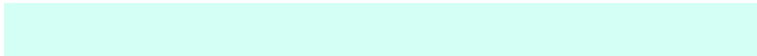
94.1152, 80.0023, 48.4629

Sweetspot

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



55.1096, 80.0028, 80.2490



79.2213, 92.0294, 99.6036



50.4740, 78.7802, 27.2992



16.6060, 19.5220, 21.0932



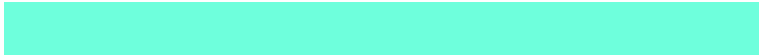
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.1096, 80.0028, 80.2490



51.2337, 78.1075, 75.4237



49.7478, 61.0687, 103.7732



18.3564, 20.4021, 22.1797



23.8029, 39.4178, 33.1771



2.3603, 3.8551, 3.4554

Inverse Universe

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



51.9276, 34.4575, 30.7035



47.8309, 28.6759, 21.9024



54.3729, 43.0221, 20.1917



18.1891, 18.0589, 19.6129



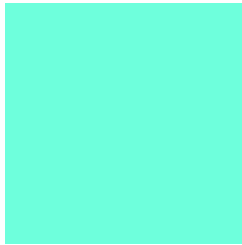
22.0451, 11.3074, 3.6223



2.1871, 1.1172, 0.5669

Previews

White Background



This preview shows how the XYZ color 55.1087, 80.0023, 80.2476 looks on a white background.

Color Contrast Check

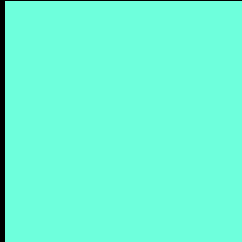
Large Text (above 18pt) WCAG AA × Fail

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 55.1087, 80.0023, 80.2476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

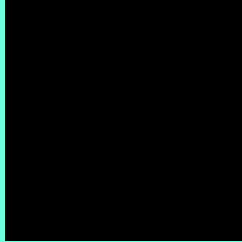
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

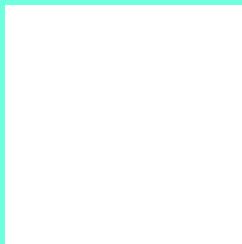
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.1087, 80.0023, 80.2476

Background



This preview shows how black text looks on a background with the XYZ color 55.1087, 80.0023, 80.2476.

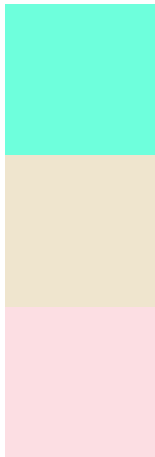


This preview shows how white text looks on a background with the XYZ color 55.1087, 80.0023,

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

55.1087, 80.0023, 80.2476

Protanopia

74.7565, 78.8456, 69.6711

Deuteranopia

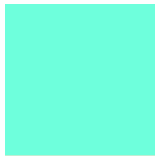
80.1313, 78.4841, 83.5986



Tritanopia

67.0357, 79.6085, 106.4406

Trichromacy



Original Color

55.1087, 80.0023, 80.2476



Protanomaly

64.0706, 77.0587, 73.1249



Deuteranomaly

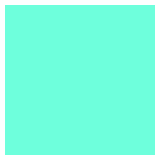
66.6968, 76.5068, 81.7730



Tritanomaly

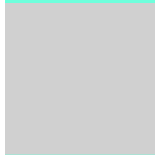
61.8655, 79.4164, 96.0726

Monochromacy



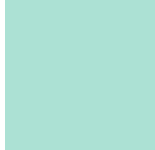
Original Color

55.1087, 80.0023, 80.2476



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.8221, 67.3745, 72.3498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1087, 80.0023, 80.2476 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 55.1087, 80.0023, 80.2476 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, 220) }
```


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

```
.border{ border-color:rgb(110, 255, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(110, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1087, 80.0023, 80.2476 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, 220) }
```

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

```
.background{ background-color: rgb(110,  
255, 220) }
```

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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