

Converting Colors

XYZ(56.0097, 80.0693, 98.2482)

Have a look what the booklet for
XYZ(56.0097, 80.0693, 98.2482)
contains.

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Color

**XYZ(56.0196, 80.0779,
98.0920)**

Conversions

Conversions Part 1

Format	Color
Hex	57FFF4
RGB	87, 255, 244
RGB Percent	34%, 100%, 96%
CMY	0.6588, 0.0000, 0.0431
CMYK	0.66, 0.00, 0.04, 0.00
HSL	176°, 100%, 67%
HSV	176°, 66%, 100%
XYZ	56.0196, 80.0779, 98.0920
YIQ	203.5140, -96.5970, -39.0370

Conversions

Conversions Part 2

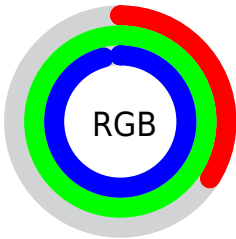
Format	Color
RYB	87, 174, 255
Decimal	5767156
CIELab	91.72, -45.09, -7.44
CIELCh	92, 45.703, 189.366
Yxy	80.0779, 0.2392, 0.3419
Android (android.graphics.Color)	4283957236 (0xFF57FFF4)
YUV	203.5140, 19.9596, -102.1828
Hunter-Lab	89.4863, -44.8575, -2.3514

Details

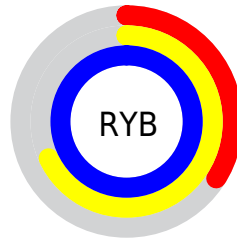
The XYZ color **56.0196, 80.0779, 98.0920** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **46.8538, 28.9598, 14.6773**, and the grayscale version is **57.0109, 59.9799, 65.3181**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **29.2712, 44.0190, 54.5307** is the 20% darker color. If you saturate the color by 10%, you get **53.7929, 78.9591, 96.6718**, and if you desaturate by 10%, it is **59.0911, 81.6319, 99.5666**.

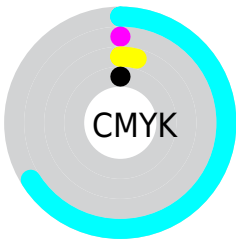
Distribution



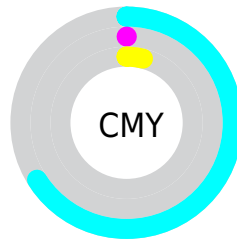
- Red (34%)
- Green (100%)
- Blue (96%)



- Red (34%)
- Yellow (68%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (66%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0196, 80.0779, 98.0920 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 56.0196, 80.0779, 98.0920 by changing the saturation by 10% instead.


 56.0196, 80.0779,
98.0920


 56.0196, 80.0779,
98.0920


399.8392,
495.1953, 575.2523

 40.4557, 59.7825,
74.1001


 98.1729, 133.4753,
160.5616


 28.0798, 43.2433,
54.3787


 125.4930,
167.3459, 199.8764

 18.5266, 30.0761,
38.5092


 157.4625,
206.5105, 245.1358

 11.4307, 19.8963,
26.0733

 194.4468,
251.3534, 296.7585

 6.4267, 12.3197,
16.6522

236.8113,
302.2589, 355.1629

 3.1494, 6.9618,
9.8275

284.9213,

 1.2332, 3.4382,

359.6114, 420.7677

5.1806

339.1421,
423.7955, 493.9913

■ 0.1324, 1.3646,
2.2930

■ 0.0000, 0.1904,
0.7273

■ 56.0196, 80.0779,
98.0920

■ 56.0196, 80.0779,
98.0920

■ 53.7929, 78.9591,
96.6718

■ 59.0911, 81.6319,
99.5666

■ 52.3147, 78.2260,
95.2972

■ 63.0838, 83.6605,
101.0948

■ 51.4706, 77.8194,
93.9642

■ 68.0691, 86.2005,
102.6816

■ 51.2375, 77.7110,
93.4236

■ 74.1105, 89.2848,
104.3299

■ 81.2663, 92.9432,
106.0424

■ 89.5905, 97.2037,
107.8218

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.



56.9558, 80.0779, 66.4183



56.0196, 80.0779, 98.0920



60.0243, 80.0779, 134.7228

Triad

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



56.0196, 80.0779, 98.0920



91.2760, 80.0779, 147.0231



84.3098, 80.0779, 39.7596

Complementary

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



56.0196, 80.0779, 98.0920



46.8538, 28.9598, 14.6773

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.



94.8436, 80.0779, 52.4047



56.0196, 80.0779, 98.0920



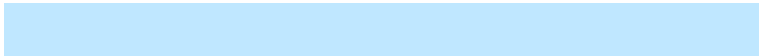
99.1427, 80.0779, 111.8983

Square

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



56.0196, 80.0779, 98.0920



79.8283, 80.0779, 167.3704



100.5112, 80.0779, 77.1295



72.5121, 80.0779, 37.8531

Rectangle

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



56.0196, 80.0779, 98.0920



65.2240, 80.0779, 155.1318



100.5112, 80.0779, 77.1295



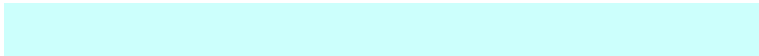
88.1481, 80.0779, 42.7053

Sweetspot

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



56.0207, 80.0784, 98.0935



78.1789, 91.3642, 105.3287



42.5401, 74.8165, 21.2176



16.3067, 19.3375, 22.4419



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.



56.0207, 80.0784, 98.0935



53.2560, 78.6913, 96.2380



38.7510, 42.7861, 100.8239



18.5005, 20.4597, 22.9385



26.7947, 40.6145, 48.9315



2.6238, 3.9604, 4.8426

Inverse Universe

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



46.8538, 28.9598, 14.6773



43.5436, 24.2588, 7.6566



55.4977, 47.0223, 15.1698



18.0576, 18.0064, 18.9205



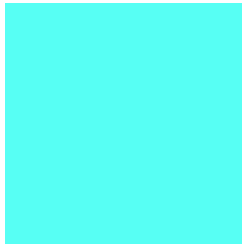
21.6184, 11.1366, 1.3749



2.1210, 1.0908, 0.2186

Previews

White Background



This preview shows how the XYZ color 56.0196, 80.0779, 98.0920 looks on a white background.

Color Contrast Check

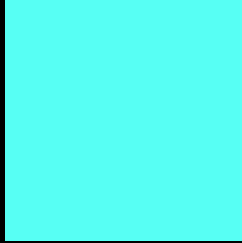
Large Text (above 18pt) WCAG AA × Fail

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 56.0196, 80.0779, 98.0920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

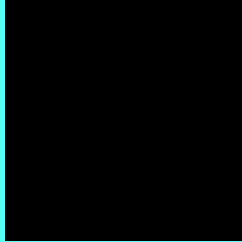
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.0196, 80.0779, 98.0920

Background



This preview shows how black text looks on a background with the XYZ color 56.0196, 80.0779, 98.0920.

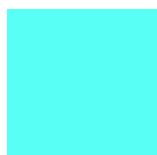


This preview shows how white text looks on a background with the XYZ color 56.0196, 80.0779,

Color Blindness Simulation

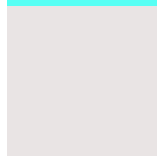
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



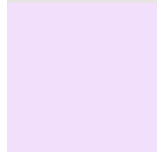
Original Color

56.0196, 80.0779, 98.0920



Protanopia

75.3513, 78.4119, 84.5624



Deuteranopia

80.4182, 78.6176, 102.2030



Tritanopia

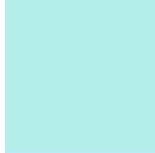
66.1643, 79.1593, 106.3998

Trichromacy



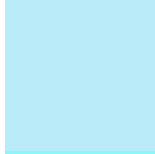
Original Color

56.0196, 80.0779, 98.0920



Protanomaly

64.2482, 76.7929, 89.2782



Deuteranomaly

66.9013, 76.6331, 100.0725



Tritanomaly

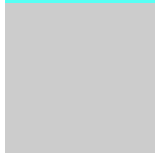
61.3208, 78.9755, 103.2786

Monochromacy



Original Color

56.0196, 80.0779, 98.0920



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.8718, 65.4669, 76.8149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0196, 80.0779, 98.0920 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(87, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(87, 255, 244)  
}
```

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(87, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 56.0196, 80.0779, 98.0920 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(87, 255, 244) }
```


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

```
.border{ border-color:rgb(87, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(87, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0196, 80.0779, 98.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 244) }
```

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

```
.background{ background-color: rgb(87, 255,  
244) }
```

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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