

Converting Colors

XYZ(50.6237, 77.6232, 83.0659)

Have a look what the booklet for
XYZ(50.6237, 77.6232, 83.0659)
contains.

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Color

**XYZ(50.5798, 77.6056,
82.8346)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFE0
RGB	51, 255, 224
RGB Percent	20%, 100%, 88%
CMY	0.7999, 0.0000, 0.1216
CMYK	0.80, 0.00, 0.12, 0.00
HSL	171°, 100%, 60%
HSV	171°, 80%, 100%
XYZ	50.5798, 77.6056, 82.8346
YIQ	190.4700, -111.6330, -52.8890

Conversions

Conversions Part 2

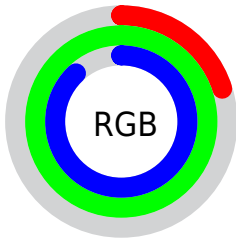
Format	Color
RYB	51, 161, 255
Decimal	3407840
CIELab	90.60, -54.30, 1.21
CIElCh	91, 54.313, 178.718
Yxy	77.6056, 0.2397, 0.3678
Android (android.graphics.Color)	4281597920 (0xFF33FFE0)
YUV	190.4700, 16.5303, -122.3152
Hunter-Lab	88.0940, -51.6776, 5.9156

Details

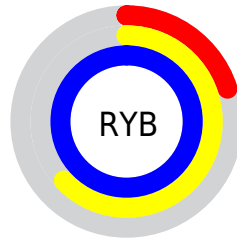
The XYZ color **50.5798, 77.6056, 82.8346** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **43.9479, 24.2383, 10.3473**, and the grayscale version is **49.1704, 51.7311, 56.3351**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **27.1277, 42.7971, 44.3670** is the 20% darker color. If you saturate the color by 10%, you get **49.1088, 76.9073, 80.0546**, and if you desaturate by 10%, it is **52.7681, 78.6723, 85.7134**.

Distribution



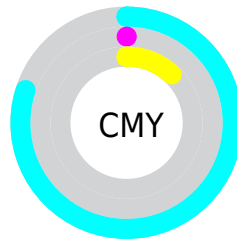
- Red (20%)
- Green (100%)
- Blue (88%)



- Red (20%)
- Yellow (63%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5798, 77.6056, 82.8346 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 50.5798, 77.6056, 82.8346 by changing the saturation by 10% instead.


 50.5798, 77.6056,
82.8346


 50.5798, 77.6056,
82.8346


379.3436,
486.8264, 524.3917


 36.0940, 57.7500,
61.5139


 90.2200, 129.9940,
139.1909


 24.6772, 41.6077,
44.2068


 116.1052,
163.2956, 175.0637

 15.9642, 28.7943,
30.4947


 146.5208,
201.8481, 216.6241

 9.5895, 18.9252,
19.9592

 181.8323,
246.0357, 264.2909

 5.1878, 11.6163,
12.1816

222.4049,
296.2430, 318.4825

 2.3938, 6.4830,
6.7434

268.6041,

 0.8420, 3.1409,

352.8543, 379.6175

3.2262

320.7952,
416.2539, 448.1143

■ 0.0000, 1.2057,
1.2112

■ 0.0000, 0.0664,
0.0000

■ 50.5798, 77.6056,
82.8346

■ 50.5798, 77.6056,
82.8346

■ 49.1088, 76.9073,
80.0546

■ 52.7681, 78.6723,
85.7134

■ 48.1875, 76.4910,
77.3612

■ 55.7714, 80.1577,
88.6919

■ 48.1870, 76.4908,
77.3597

■ 59.6754, 82.1061,
91.7759

■ 64.5539, 84.5554,
94.9693

70.4731, 87.5398,
98.2755

77.4932, 91.0904,
101.6977

85.6701, 95.2358,
105.2390

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.



53.5895, 77.6056, 51.2647



50.5798, 77.6056, 82.8346



53.1180, 77.6056, 125.8479

Triad

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



50.5798, 77.6056, 82.8346



87.0578, 77.6056, 168.6941



88.1945, 77.6056, 35.2853

Complementary

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



50.5798, 77.6056, 82.8346



43.9479, 24.2383, 10.3473

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.



99.1617, 77.6056, 53.3731



50.5798, 77.6056, 82.8346



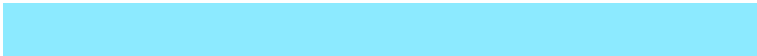
98.4507, 77.6056, 129.6713

Square

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



50.5798, 77.6056, 82.8346



73.1782, 77.6056, 183.6983



103.1245, 77.6056, 86.1862



74.3485, 77.6056, 29.5534

Rectangle

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



50.5798, 77.6056, 82.8346



57.8151, 77.6056, 154.2207



103.1245, 77.6056, 86.1862



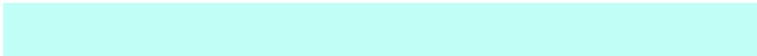
92.4002, 77.6056, 39.7807

Sweetspot

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



50.5808, 77.6061, 82.8360



74.5454, 89.5983, 100.3127



40.1053, 73.6910, 15.2437



15.4273, 18.9105, 21.2108



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.



50.5808, 77.6061, 82.8360



48.5164, 76.6373, 78.4278



37.1873, 43.4669, 101.0377



18.4292, 20.4312, 22.5633



25.2236, 39.9860, 40.6584



2.4867, 3.9056, 4.1205

Inverse Universe

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



43.9479, 24.2383, 10.3473



41.8719, 21.6899, 4.7115



48.4358, 34.6951, 7.2776



18.1219, 18.0321, 19.2589



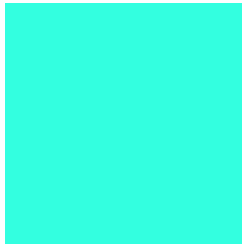
21.7713, 11.1978, 2.1804



2.1512, 1.1029, 0.3777

Previews

White Background



This preview shows how the XYZ color 50.5798, 77.6056, 82.8346 looks on a white background.

Color Contrast Check

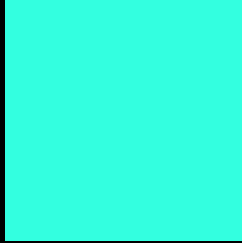
Large Text (above 18pt) WCAG AA × Fail

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 50.5798, 77.6056, 82.8346 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

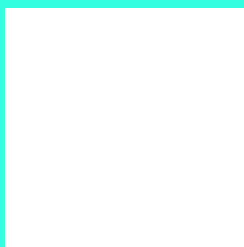
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.5798, 77.6056, 82.8346

Background



This preview shows how black text looks on a background with the XYZ color 50.5798, 77.6056, 82.8346.



This preview shows how white text looks on a background with the XYZ color 50.5798, 77.6056,

Color Blindness Simulation

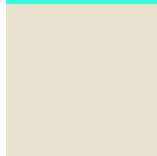
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



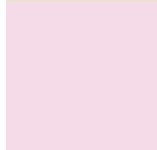
Original Color

50.5798, 77.6056, 82.8346



Protanopia

72.2421, 75.8969, 70.5165



Deuteranopia

77.5532, 75.9017, 86.9069



Tritanopia

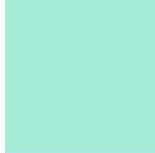
62.4542, 76.8060, 106.1411

Trichromacy



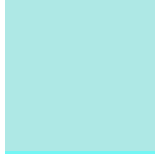
Original Color

50.5798, 77.6056, 82.8346



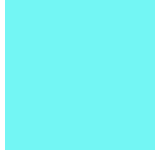
Protanomaly

58.0694, 73.0614, 74.6600



Deuteranomaly

60.4550, 72.3690, 84.9110



Tritanomaly

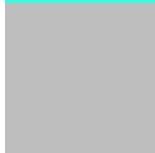
56.3551, 76.0880, 97.3042

Monochromacy



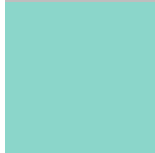
Original Color

50.5798, 77.6056, 82.8346



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.3547, 57.8464, 64.6521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5798, 77.6056, 82.8346 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(51, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 224)  
}
```

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(51, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 50.5798, 77.6056, 82.8346 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(51, 255, 224) }
```


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

```
.border{ border-color:rgb(51, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 255, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 255, 224); box-shadow:4px 4px 4px 4px rgb(51, 255, 224) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5798, 77.6056, 82.8346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 224) }
```

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

```
.background{ background-color: rgb(51, 255,  
224) }
```

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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