

Converting Colors

XYZ(49.9804, 77.3659, 79.6782)

Have a look what the booklet for
XYZ(49.9804, 77.3659, 79.6782)
contains.

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Color

**XYZ(50.0435, 77.3911,
80.0106)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFDC
RGB	51, 255, 220
RGB Percent	20%, 100%, 86%
CMY	0.7999, 0.0000, 0.1372
CMYK	0.80, 0.00, 0.14, 0.00
HSL	170°, 100%, 60%
HSV	170°, 80%, 100%
XYZ	50.0435, 77.3911, 80.0106
YIQ	190.0140, -110.3490, -54.1330

Conversions

Conversions Part 2

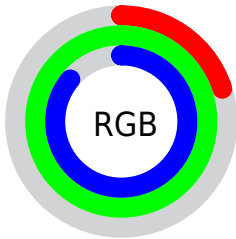
Format	Color
RYB	51, 163, 255
Decimal	3407836
CIELab	90.50, -55.31, 3.14
CIELCh	91, 55.402, 176.746
Yxy	77.3911, 0.2412, 0.3731
Android (android.graphics.Color)	4281597916 (0xFF33FFDC)
YUV	190.0140, 14.7831, -121.9153
Hunter-Lab	87.9722, -52.4106, 7.6564

Details

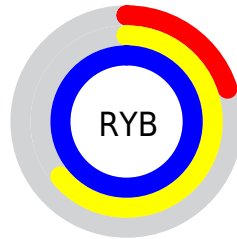
The XYZ color **50.0435, 77.3911, 80.0106** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.1046, 24.3009, 11.1724**, and the grayscale version is **48.9165, 51.4640, 56.0443**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **26.7578, 42.6491, 42.4191** is the 20% darker color. If you saturate the color by 10%, you get **48.5202, 76.6719, 76.9551**, and if you desaturate by 10%, it is **52.2872, 78.4799, 83.1817**.

Distribution



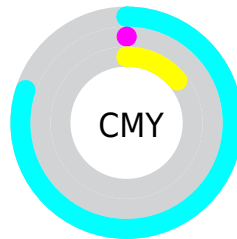
- Red (20%)
- Green (100%)
- Blue (86%)



- Red (20%)
- Yellow (64%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0435, 77.3911, 80.0106 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 50.0435, 77.3911, 80.0106 by changing the saturation by 10% instead.


 50.0435, 77.3911,
80.0106


 50.0435, 77.3911,
80.0106


377.2852,
486.0965, 514.6763


 35.6659, 57.5739,
59.2009


 89.4308, 129.6914,
135.1922


 24.3452, 41.4662,
42.3538


 115.1711,
162.9433, 170.4011

 15.7160, 28.6835,
29.0508


 145.4298,
201.4423, 211.2468

 9.4130, 18.8416,
18.8733

 180.5722,
245.5727, 258.1478

 5.0708, 11.5558,
11.4029

220.9635,
295.7189, 311.5228

 2.3240, 6.4420,
6.2209

266.9692,

 0.8069, 3.1157,

352.2653, 371.7901

2.9089

318.9547,
415.5964, 439.3684

0.0000, 1.1924,
1.0483

0.0000, 0.0555,
0.0000

50.0435, 77.3911,
80.0106

50.0435, 77.3911,
80.0106

48.5202, 76.6719,
76.9551

52.2872, 78.4799,
83.1817

47.5497, 76.2359,
74.0026

55.3492, 79.9889,
86.4696

47.5492, 76.2357,
74.0011

59.3152, 81.9620,
89.8800

64.2589, 84.4374,
93.4172

70.2466, 87.4492,
97.0847

77.3387, 91.0285,
100.8860

85.5910, 95.2041,
104.8241

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.



53.4585, 77.3911, 48.9796



50.0435, 77.3911, 80.0106



52.2460, 77.3911, 123.4642

Triad

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



50.0435, 77.3911, 80.0106



86.2065, 77.3911, 172.3788



89.1495, 77.3911, 35.2218

Complementary

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



50.0435, 77.3911, 80.0106



44.1046, 24.3009, 11.1724

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.



99.9962, 77.3911, 54.3894



50.0435, 77.3911, 80.0106



98.1528, 77.3911, 133.3912

Square

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



50.0435, 77.3911, 80.0106



72.0567, 77.3911, 185.6587



103.4800, 77.3911, 88.6692



75.0798, 77.3911, 28.7508

Rectangle

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



50.0435, 77.3911, 80.0106



56.7762, 77.3911, 152.9198



103.4800, 77.3911, 88.6692



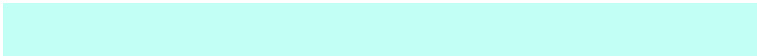
93.3581, 77.3911, 40.0269

Sweetspot

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



50.0444, 77.3916, 80.0120



74.3620, 89.5250, 99.3472



40.4213, 73.8539, 15.2583



15.3826, 18.8926, 20.9753



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.



50.0444, 77.3916, 80.0120



47.8979, 76.3899, 75.1709



37.9170, 44.9264, 101.2810



18.4132, 20.4248, 22.4788



24.8946, 39.8545, 38.9260



2.4576, 3.8940, 3.9677

Inverse Universe

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



44.1046, 24.3009, 11.1724



41.9751, 21.7312, 5.2547



48.0382, 33.9000, 7.1449



18.1365, 18.0379, 19.3361



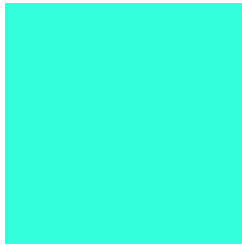
21.8207, 11.2176, 2.4403



2.1582, 1.1056, 0.4144

Previews

White Background



This preview shows how the XYZ color 50.0435, 77.3911, 80.0106 looks on a white background.

Color Contrast Check

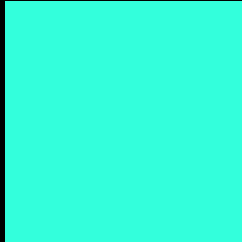
Large Text (above 18pt) WCAG AA × Fail

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 50.0435, 77.3911, 80.0106 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

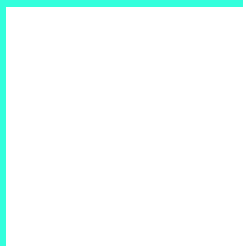
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0435, 77.3911, 80.0106

Background



This preview shows how black text looks on a background with the XYZ color 50.0435, 77.3911, 80.0106.



This preview shows how white text looks on a background with the XYZ color 50.0435, 77.3911,

Color Blindness Simulation

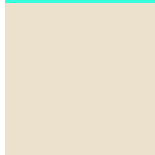
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



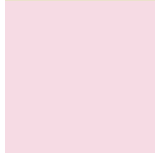
Original Color

50.0435, 77.3911, 80.0106



Protanopia

72.0852, 75.8722, 67.9722



Deuteranopia

77.3411, 75.8573, 83.9644



Tritanopia

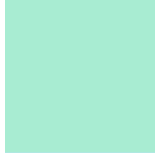
62.2678, 76.7099, 106.1324

Trichromacy



Original Color

50.0435, 77.3911, 80.0106



Protanomaly

57.7768, 72.9689, 72.0120



Deuteranomaly

60.1264, 72.2634, 82.0134



Tritanomaly

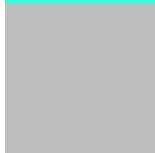
56.0530, 75.9672, 95.7132

Monochromacy



Original Color

50.0435, 77.3911, 80.0106



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.2366, 57.7991, 64.0305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0435, 77.3911, 80.0106 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 50.0435, 77.3911, 80.0106 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, 220) }
```


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

```
.border{ border-color:rgb(51, 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(51, 255, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0435, 77.3911, 80.0106 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, 220) }
```

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

```
.background{ background-color: rgb(51, 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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