

Converting Colors

XYZ(50.6738, 77.6432, 83.3295)

Have a look what the booklet for
XYZ(50.6738, 77.6432, 83.3295)
contains.

XYZ(50.7158, 77.6601, 83.5510)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.7158, 77.6601,
83.5510)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFE1
RGB	51, 255, 225
RGB Percent	20%, 100%, 88%
CMY	0.8000, 0.0000, 0.1176
CMYK	0.80, 0.00, 0.12, 0.00
HSL	171°, 100%, 60%
HSV	171°, 80%, 100%
XYZ	50.7158, 77.6601, 83.5510
YIQ	190.5840, -111.9540, -52.5780

Conversions

Conversions Part 2

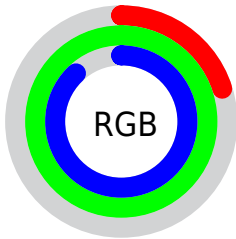
Format	Color
R _Y B	51, 161, 255
Decimal	3407841
CIE Lab	90.62, -54.04, 0.73
CIE LCh	91, 54.049, 179.223
Yxy	77.6601, 0.2393, 0.3664
Android (android.graphics.Color)	4281597921 (0xFF33FFE1)
YUV	190.5840, 16.9671, -122.4152
Hunter-Lab	88.1250, -51.4922, 5.4748

Details

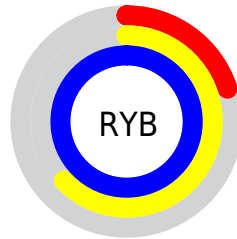
The XYZ color **50.7158, 77.6601, 83.5510** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **43.9100, 24.2230, 10.1478**, and the grayscale version is **49.2335, 51.7975, 56.4075**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **27.2220, 42.8348, 44.8634** is the 20% darker color. If you saturate the color by 10%, you get **49.2584, 76.9671, 80.8426**, and if you desaturate by 10%, it is **52.8896, 78.7209, 86.3543**.

Distribution



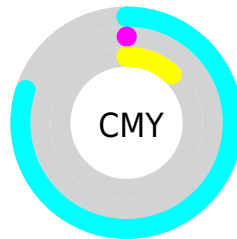
- Red (20%)
- Green (100%)
- Blue (88%)



- 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 50.7158, 77.6601, 83.5510 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 50.7158, 77.6601, 83.5510 by changing the saturation by 10% instead.


 50.7158, 77.6601,
83.5510


 50.7158, 77.6601,
83.5510


379.8645,
487.0117, 526.8401


 36.2026, 57.7948,
62.1016


 90.4200, 130.0709,
140.2030


 24.7615, 41.6437,
44.6784


 116.3418,
163.3851, 176.2427

 16.0273, 28.8224,
30.8631


 146.7971,
201.9511, 217.9829

 9.6344, 18.9465,
20.2371

 182.1513,
246.1533, 265.8421

 5.2176, 11.6316,
12.3817

222.7698,
296.3761, 320.2389

 2.4116, 6.4934,
6.8785

269.0179,

 0.8509, 3.1473,

353.0038, 381.5918

3.3089

321.2610,
416.4209, 450.3193

■ 0.0000, 1.2091,
1.2545

■ 0.0000, 0.0691,
0.0240

■ 50.7158, 77.6601,
83.5510

■ 50.7158, 77.6601,
83.5510

■ 49.2584, 76.9671,
80.8426

■ 52.8896, 78.7209,
86.3543

■ 48.3499, 76.5560,
78.2169

■ 55.8778, 80.2003,
89.2533

■ 48.3495, 76.5558,
78.2156

■ 59.7659, 82.1422,
92.2539

■ 64.6277, 84.5849,
95.3598

70.5294, 87.5623,
98.5744

77.5313, 91.1055,
101.9010

85.6892, 95.2434,
105.3426

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.



53.6236, 77.6601, 51.8481



50.7158, 77.6601, 83.5510



53.3387, 77.6601, 126.4472

Triad

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



50.7158, 77.6601, 83.5510



87.2716, 77.6601, 167.7796



87.9575, 77.6601, 35.3032

Complementary

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



50.7158, 77.6601, 83.5510



43.9100, 24.2230, 10.1478

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.



98.9539, 77.6601, 53.1231



50.7158, 77.6601, 83.5510



98.5251, 77.6601, 128.7525

Square

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



50.7158, 77.6601, 83.5510



73.4609, 77.6601, 183.2074



103.0356, 77.6601, 85.5744



74.1674, 77.6601, 29.7581

Rectangle

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



50.7158, 77.6601, 83.5510



58.0779, 77.6601, 154.5446



103.0356, 77.6601, 85.5744



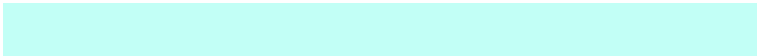
92.1622, 77.6601, 39.7214

Sweetspot

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



50.7167, 77.6605, 83.5524



74.5914, 89.6167, 100.5552



39.8037, 73.5356, 15.2293



15.4385, 18.9150, 21.2699



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.



50.7167, 77.6605, 83.5524



48.6739, 76.7003, 79.2571



36.4743, 42.0409, 100.8001



18.4332, 20.4328, 22.5844



25.3074, 40.0196, 41.0998



2.4940, 3.9085, 4.1594

Inverse Universe

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



43.9100, 24.2230, 10.1478



41.8478, 21.6803, 4.5846



48.8476, 35.5186, 7.4146



18.1182, 18.0306, 19.2396



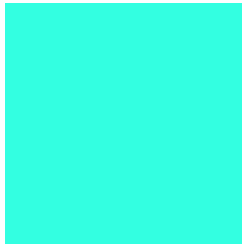
21.7599, 11.1932, 2.1201



2.1495, 1.1022, 0.3687

Previews

White Background



This preview shows how the XYZ color 50.7158, 77.6601, 83.5510 looks on a white background.

Color Contrast Check

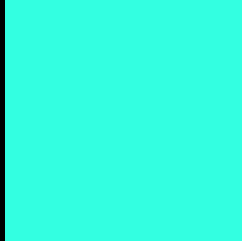
Large Text (above 18pt) WCAG AA × Fail

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 50.7158, 77.6601, 83.5510 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

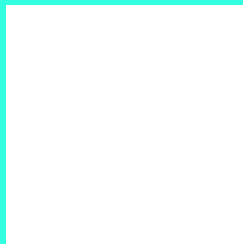
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7158, 77.6601, 83.5510

Background



This preview shows how black text looks on a background with the XYZ color 50.7158, 77.6601, 83.5510.

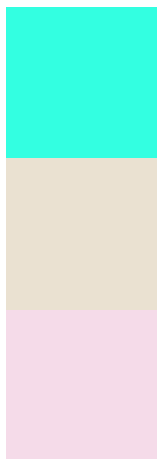


This preview shows how white text looks on a background with the XYZ color 50.7158, 77.6601,

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

50.7158, 77.6601, 83.5510

Protanopia

72.3655, 75.9463, 71.1666

Deuteranopia

77.6957, 75.9587, 87.6573



Tritanopia

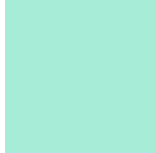
62.4542, 76.8060, 106.1411

Trichromacy



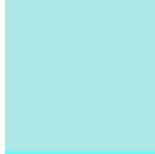
Original Color

50.7158, 77.6601, 83.5510



Protanomaly

58.1975, 73.1127, 75.3348



Deuteranomaly

60.5951, 72.4251, 85.6486



Tritanomaly

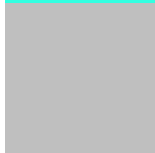
56.3551, 76.0880, 97.3042

Monochromacy



Original Color

50.7158, 77.6601, 83.5510



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.6413, 57.9804, 65.2857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7158, 77.6601, 83.5510 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 50.7158, 77.6601, 83.5510 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, 225) }
```


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

```
.border{ border-color:rgb(51, 255, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7158, 77.6601, 83.5510 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, 225) }
```

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

```
.background{ background-color: rgb(51, 255,  
225) }
```

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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