

Converting Colors

XYZ(50.3368, 77.7971, 68.5126)

Have a look what the booklet for
XYZ(50.3368, 77.7971, 68.5126)
contains.

XYZ(50.2584, 77.7627, 68.2379)	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(50.2584, 77.7627,
68.2379)**

Conversions

Conversions Part 1

Format	Color
Hex	56FFCA
RGB	86, 255, 202
RGB Percent	34%, 100%, 79%
CMY	0.6627, 0.0000, 0.2078
CMYK	0.66, 0.00, 0.21, 0.00
HSL	161°, 100%, 67%
HSV	161°, 66%, 100%
XYZ	50.2584, 77.7627, 68.2379
YIQ	198.4270, -83.7110, -52.3110

Conversions

Conversions Part 2

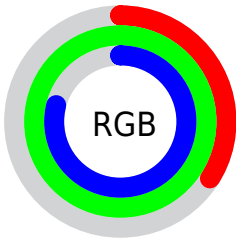
Format	Color
RYB	86, 186, 255
Decimal	5701578
CIELab	90.67, -55.47, 12.76
CIELCh	91, 56.919, 167.042
Yxy	77.7627, 0.2561, 0.3962
Android (android.graphics.Color)	4283891658 (0xFF56FFCA)
YUV	198.4270, 1.7615, -98.5985
Hunter-Lab	88.1832, -52.5877, 15.8484

Details

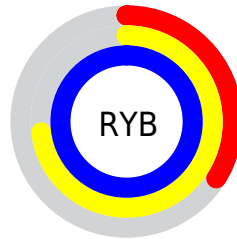
The XYZ color **50.2584, 77.7627, 68.2379** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **49.2287, 29.7806, 27.5810**, and the grayscale version is **53.9630, 56.7733, 61.8261**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **25.3115, 42.0706, 34.8034** is the 20% darker color. If you saturate the color by 10%, you get **47.3923, 76.3918, 63.2892**, and if you desaturate by 10%, it is **54.0121, 79.5855, 73.4870**.

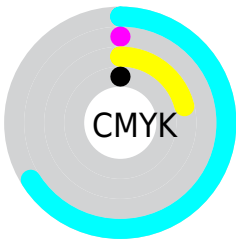
Distribution



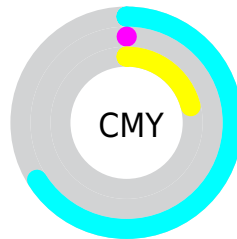
- Red (34%)
- Green (100%)
- Blue (79%)



- Red (34%)
- Yellow (73%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (66%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2584, 77.7627, 68.2379 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 50.2584, 77.7627, 68.2379 by changing the saturation by 10% instead.


 50.2584, 77.7627,
68.2379


 50.2584, 77.7627,
68.2379


378.1109,
487.3606, 472.9594


 35.8374, 57.8791,
49.6234


 89.7471, 130.2156,
118.3498


 24.4782, 41.7114,
34.7452


 115.5456,
163.5536, 150.6844

 15.8154, 28.8754,
23.1847


 145.8673,
202.1451, 188.4293

 9.4836, 18.9866,
14.5233

 181.0775,
246.3747, 232.0032

 5.1176, 11.6606,
8.3427

221.5416,
296.6266, 281.8247

 2.3519, 6.5130,
4.2241

267.6249,

 0.8210, 3.1595,

353.2853, 338.3121

1.7491

319.6929,
416.7352, 401.8842

■ 0.0000, 1.2155,
0.3940

■ 0.0000, 0.0743,
0.0000

■ 50.2584, 77.7627,
68.2379

■ 50.2584, 77.7627,
68.2379

■ 47.3923, 76.3918,
63.2892

■ 54.0121, 79.5855,
73.4870

■ 45.3171, 75.4229,
58.6285

■ 58.7318, 81.9006,
79.0399

■ 43.9160, 74.7961,
54.2478

■ 64.4897, 84.7450,
84.9050

■ 43.5008, 74.6163,
52.6826

■ 71.3503, 88.1520,
91.0889

■ 79.3725, 92.1519,
97.5979

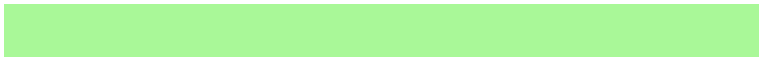
■ 88.6113, 96.7728,
104.4380

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.



55.5874, 77.7627, 41.6033



50.2584, 77.7627, 68.2379



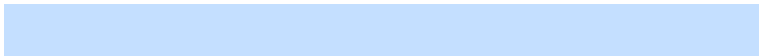
50.6510, 77.7627, 109.8626

Triad

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



50.2584, 77.7627, 68.2379



82.2512, 77.7627, 184.2634



94.2389, 77.7627, 39.1848

Complementary

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



50.2584, 77.7627, 68.2379



49.2287, 29.7806, 27.5810

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.



103.3836, 77.7627, 63.6576



50.2584, 77.7627, 68.2379



95.8749, 77.7627, 150.3337

Square

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



50.2584, 77.7627, 68.2379



67.9254, 77.7627, 186.7094



104.0181, 77.7627, 103.5494



80.2385, 77.7627, 28.8430

Rectangle

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



50.2584, 77.7627, 68.2379



54.0951, 77.7627, 141.4040



104.0181, 77.7627, 103.5494



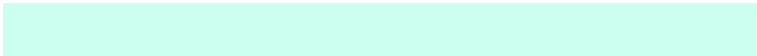
98.0570, 77.7627, 45.5943

Sweetspot

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



50.2592, 77.7631, 68.2393



76.2427, 90.5897, 95.1332



48.1745, 77.7259, 21.2688



15.8375, 19.1498, 19.9711



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.



50.2592, 77.7631, 68.2393



46.5319, 75.9865, 61.5185



48.5487, 62.5195, 104.1164



18.2981, 20.3788, 21.8730



22.8006, 39.0168, 27.8990



2.2694, 3.8187, 2.9765

Inverse Universe

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



49.2287, 29.7806, 27.5810



45.5170, 24.8649, 18.6128



49.2798, 34.6517, 12.8964



18.2440, 18.0809, 19.9021



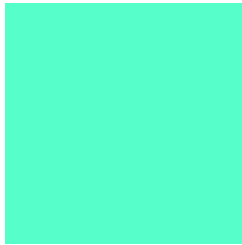
22.3638, 11.4348, 5.3003



2.2243, 1.1321, 0.7628

Previews

White Background



This preview shows how the XYZ color 50.2584, 77.7627, 68.2379 looks on a white background.

Color Contrast Check

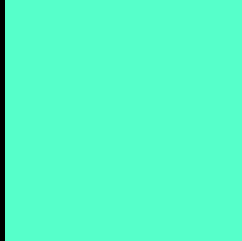
Large Text (above 18pt) WCAG AA × Fail

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 50.2584, 77.7627, 68.2379 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 50.2584, 77.7627, 68.2379

Background



This preview shows how black text looks on a background with the XYZ color 50.2584, 77.7627, 68.2379.

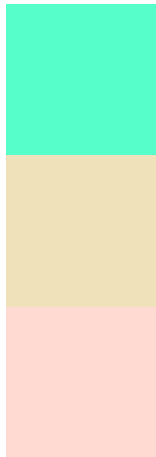


This preview shows how white text looks on a background with the XYZ color 50.2584, 77.7627,

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

50.2584, 77.7627, 68.2379

Protanopia

71.7626, 76.3313, 57.9648

Deuteranopia

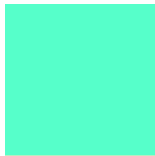
77.5773, 75.8668, 71.5278



Tritanopia

63.3106, 76.8093, 106.0966

Trichromacy



Original Color

50.2584, 77.7627, 68.2379



Protanomaly

59.3271, 74.4414, 61.1109



Deuteranomaly

61.8307, 72.9943, 69.8620



Tritanomaly

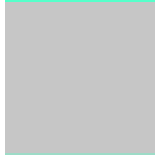
57.3084, 76.2665, 91.0573

Monochromacy



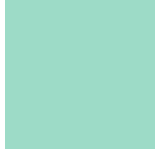
Original Color

50.2584, 77.7627, 68.2379



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.5449, 61.9547, 63.3800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2584, 77.7627, 68.2379 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(86, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(86, 255, 202)  
}
```

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(86, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 50.2584, 77.7627, 68.2379 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(86, 255, 202) }
```


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

```
.border{ border-color:rgb(86, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(86, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2584, 77.7627, 68.2379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 255, 202) }
```

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

```
.background{ background-color: rgb(86, 255,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor