

# Converting Colors

XYZ(57.1787, 90.9156, 73.0617)

Have a look what the booklet for  
XYZ(57.1787, 90.9156, 73.0617)  
contains.

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# Color

**XYZ(50.6469, 77.9075,  
70.7608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55FFCE
RGB	85, 255, 206
RGB Percent	33%, 100%, 81%
CMY	0.6666, 0.0000, 0.1921
CMYK	0.67, 0.00, 0.19, 0.00
HSL	163°, 100%, 67%
HSV	163°, 67%, 100%
XYZ	50.6469, 77.9075, 70.7608
YIQ	198.5840, -85.5910, -51.2790

# Conversions

## Conversions Part 2

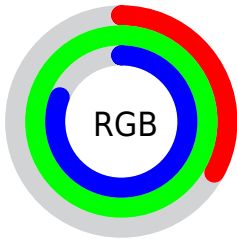
<b>Format</b>	<b>Color</b>
<b>RYB</b>	85, 184, 255
Decimal	5636046
CIELab	90.74, -54.72, 10.79
CIELCh	91, 55.770, 168.841
Yxy	77.9075, 0.2541, 0.3909
Android (android.graphics.Color)	4283826126 (0xFF55FFCE)
YUV	198.5840, 3.6561, -99.6132
Hunter-Lab	88.2652, -52.0402, 14.2538

# Details

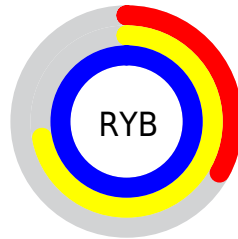
The XYZ color **50.6469, 77.9075, 70.7608** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **48.7924, 29.4794, 25.6743**, and the grayscale version is **54.0485, 56.8633, 61.9241**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **25.6337, 42.1995, 36.5000** is the 20% darker color. If you saturate the color by 10%, you get **47.8622, 76.5727, 66.0787**, and if you desaturate by 10%, it is **54.3086, 79.6896, 75.7046**.

# Distribution



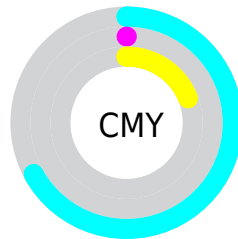
- Red (33%)
- Green (100%)
- Blue (81%)



- Red (33%)
- Yellow (72%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (67%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6469, 77.9075, 70.7608 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 50.6469, 77.9075, 70.7608 by changing the saturation by 10% instead.




 50.6469, 77.9075,  
70.7608


 50.6469, 77.9075,  
70.7608

379.6007,  
487.8526, 482.0779


 36.1476, 57.9980,  
51.6664


 90.3187, 130.4197,  
121.9843


 24.7188, 41.8070,  
36.3588


 116.2219,  
163.7912, 154.9505

 15.9953, 28.9502,  
24.4196


 146.6571,  
202.4188, 193.3778

 9.6117, 19.0432,  
15.4301

 181.9897,  
246.6870, 237.6845

 5.2025, 11.7015,  
8.9718

222.5850,  
296.9800, 288.2894

 2.4026, 6.5407,  
4.6262

268.8083,

 0.8464, 3.1766,

353.6824, 345.6109

1.9748

321.0251,  
417.1785, 410.0675

0.0000, 1.2246,  
0.5397

0.0000, 0.0817,  
0.0000

50.6469, 77.9075,  
70.7608

50.6469, 77.9075,  
70.7608

47.8622, 76.5727,  
66.0787

54.3086, 79.6896,  
75.7046

45.8572, 75.6351,  
61.6469

58.9259, 81.9594,  
80.9127

44.5132, 75.0336,  
57.4580

64.5710, 84.7541,  
86.3926

44.1519, 74.8768,  
56.1113

71.3087, 88.1070,  
92.1501

■ 79.1978, 92.0485,  
98.1907

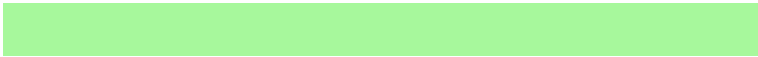
■ 88.2934, 96.6068,  
104.5197

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.



55.5688, 77.9075, 43.5213



50.6469, 77.9075, 70.7608



51.3752, 77.9075, 112.2505

# Triad

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



50.6469, 77.9075, 70.7608



83.0899, 77.9075, 180.7519



93.2233, 77.9075, 39.0050

# Complementary

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



50.6469, 77.9075, 70.7608



48.7924, 29.4794, 25.6743

# 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.



102.5699, 77.9075, 62.2804



50.6469, 77.9075, 70.7608



96.2293, 77.9075, 146.3819

# Square

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



50.6469, 77.9075, 70.7608



68.9585, 77.9075, 185.2162



103.7345, 77.9075, 100.6460



79.3835, 77.9075, 29.4317



# Rectangle

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



50.6469, 77.9075, 70.7608



54.9925, 77.9075, 142.9702



103.7345, 77.9075, 100.6460



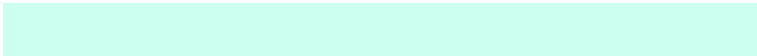
97.0656, 77.9075, 45.0711

# Sweetspot

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



50.6477, 77.9079, 70.7622



76.4346, 90.6665, 96.1438



47.5540, 77.4106, 21.0311



15.8838, 19.1684, 20.2149



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.



50.6477, 77.9079, 70.7622



47.1119, 76.2185, 64.5727



47.6537, 60.8652, 103.8443



18.3185, 20.3869, 21.9804



23.1382, 39.1519, 29.6768



2.3002, 3.8310, 3.1389



# Inverse Universe

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



48.7924, 29.4794, 25.6743



45.2274, 24.7491, 17.0880



49.4774, 35.1109, 12.7650



18.2247, 18.0732, 19.8002



22.2414, 11.3858, 4.6556

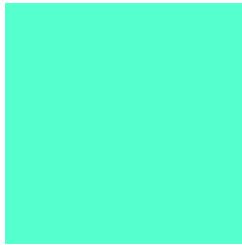


2.2104, 1.1265, 0.6894



# Previews

## White Background



This preview shows how the XYZ color 50.6469, 77.9075, 70.7608 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

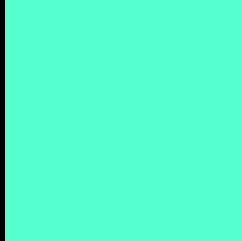
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.6469, 77.9075, 70.7608 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

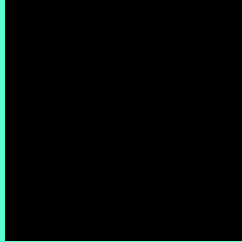
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

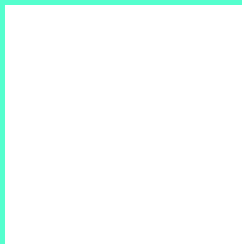
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 50.6469, 77.9075, 70.7608

## Background



This preview shows how black text looks on a background with the XYZ color 50.6469, 77.9075, 70.7608.



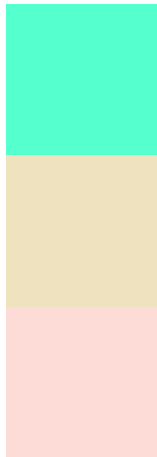
This preview shows how white text looks on a background with the XYZ color 50.6469, 77.9075,



# 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

50.6469, 77.9075, 70.7608

### Protanopia

72.1969, 76.5050, 60.2520

### Deuteranopia

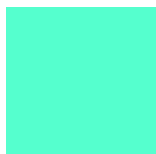
77.9771, 76.4007, 74.2553



## Tritanopia

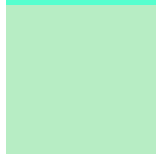
63.6058, 77.3997, 106.1950

# Trichromacy



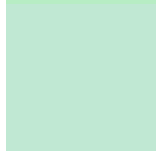
## Original Color

50.6469, 77.9075, 70.7608



## Protanomaly

59.7764, 74.6212, 63.4773



## Deuteranomaly

62.3527, 73.6228, 72.5523



## Tritanomaly

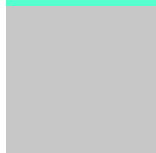
57.6019, 76.8513, 91.9186

# Monochromacy



## Original Color

50.6469, 77.9075, 70.7608



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

50.0927, 62.1964, 65.2421

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.6469, 77.9075, 70.7608 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(85, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(85, 255, 206)  
}
```

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(85, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 255, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 50.6469, 77.9075, 70.7608 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(85, 255, 206) }
```



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

```
.border{ border-color:rgb(85, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(85, 255,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.6469, 77.9075, 70.7608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 255, 206) }
```

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

```
.background{ background-color: rgb(85, 255,  
206) }
```

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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