

# Converting Colors

XYZ(50.1432, 68.0410,  
105.0981)

Have a look what the booklet for  
XYZ(50.1432, 68.0410, 105.0981)  
contains.

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# Color

**XYZ(50.0051, 67.7949,  
105.0579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42EBFF
RGB	66, 235, 255
RGB Percent	26%, 92%, 100%
CMY	0.7411, 0.0784, 0.0000
CMYK	0.74, 0.08, 0.00, 0.00
HSL	186°, 100%, 63%
HSV	186°, 74%, 100%
XYZ	50.0051, 67.7949, 105.0579
YIQ	186.7490, -107.1440, -29.6080

# Conversions

## Conversions Part 2

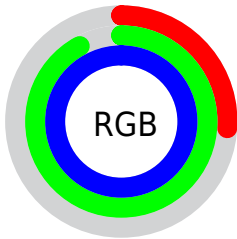
Format	Color
R <sub>Y</sub> B	66, 155, 255
Decimal	4385791
CIE Lab	85.90, -35.60, -21.93
CIE LCh	86, 41.814, 211.638
Yxy	67.7949, 0.2244, 0.3042
Android (android.graphics.Color)	4282575871 (0xFF42EBFF)
YUV	186.7490, 33.6477, -105.8969
Hunter-Lab	82.3377, -35.6847, -18.0141

# Details

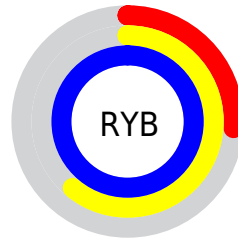
The XYZ color **50.0051, 67.7949, 105.0579** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.5524, 28.3108, 8.2201**, and the grayscale version is **46.9555, 49.4008, 53.7975**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **26.3131, 36.3174, 59.0492** is the 20% darker color. If you saturate the color by 10%, you get **47.8878, 65.5667, 104.7394**, and if you desaturate by 10%, it is **52.9029, 70.4457, 105.4169**.

# Distribution



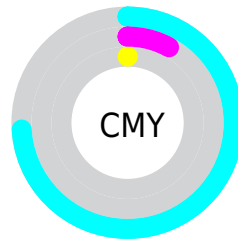
- Red (26%)
- Green (92%)
- Blue (100%)



- Red (26%)
- Yellow (61%)
- Blue (100%)



- Cyan (74%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (74%)
- Magenta (8%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0051, 67.7949, 105.0579 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 50.0051, 67.7949, 105.0579 by changing the saturation by 10% instead.





 50.0051, 67.7949,  
105.0579


 50.0051, 67.7949,  
105.0579

377.1375,  
452.7690, 597.6745


 35.6353, 49.7309,  
79.8909


 89.3742, 116.0587,  
170.2030


 24.3214, 35.1996,  
59.1030


 115.1042,  
147.0273, 211.0182

 15.6983, 23.8167,  
42.2755


 145.3516,  
183.0661, 257.8865

 9.4004, 15.1977,  
28.9899

 180.4818,  
224.5597, 311.2266

 5.0624, 8.9583,  
18.8276

220.8601,  
271.8924, 371.4568

 2.3191, 4.7140,  
11.3703

266.8520,

 0.8044, 2.0804,

325.4486, 438.9959

6.1992

318.8227,  
385.6126, 514.2623

■ 0.0000, 0.6536,  
2.8958

■ 0.0000, 0.0000,  
1.0417

■ 50.0051, 67.7949,  
105.0579

■ 50.0051, 67.7949,  
105.0579

■ 47.8878, 65.5667,  
104.7394

■ 52.9029, 70.4457,  
105.4169

■ 46.4348, 63.6968,  
104.4551

■ 56.6659, 73.5586,  
105.8194

■ 45.7984, 62.7169,  
104.2995

■ 61.3736, 77.1761,  
106.2695

■ 67.0952, 81.3339,  
106.7705

73.8932, 86.0642,  
107.3252

81.8250, 91.3968,  
107.9365

90.9440, 97.3593,  
108.6067

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.



47.7370, 67.7949, 75.3343



50.0051, 67.7949, 105.0579



56.0846, 67.7949, 130.5848

# Triad

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



50.0051, 67.7949, 105.0579



82.0250, 67.7949, 101.7901



63.9123, 67.7949, 32.6742

# Complementary

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



50.0051, 67.7949, 105.0579



45.5524, 28.3108, 8.2201

# 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.



73.5801, 67.7949, 36.4744



50.0051, 67.7949, 105.0579



84.6379, 67.7949, 72.3205

# Square

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



50.0051, 67.7949, 105.0579



74.5802, 67.7949, 128.3931



81.4086, 67.7949, 49.4789



55.2579, 67.7949, 37.4243

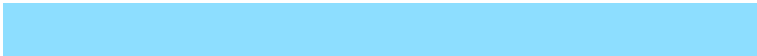


# Rectangle

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



50.0051, 67.7949, 105.0579



61.7978, 67.7949, 139.2015



81.4086, 67.7949, 49.4789



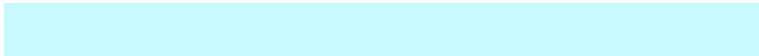
67.1503, 67.7949, 32.9880

# Sweetspot

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



50.0070, 67.7973, 105.0583



75.4721, 87.1394, 107.4495



39.6439, 73.3332, 20.6414



15.7222, 18.3570, 22.9646



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

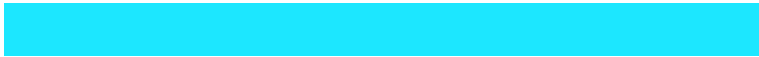


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.0070, 67.7973, 105.0583



47.1023, 64.6117, 104.5965



29.9126, 27.6084, 98.3601



18.3810, 20.1336, 23.1673



23.9970, 32.9036, 54.5208



2.3817, 3.2940, 5.3236



# Inverse Universe

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



58.1849, 31.1564, 81.5469



56.0783, 27.8616, 78.0133



58.4253, 54.0566, 12.5111



18.7050, 18.2653, 22.3295



28.9008, 14.0496, 39.7235

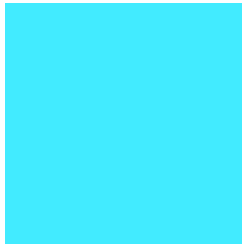


2.8368, 1.3771, 3.9878



# Previews

## White Background



This preview shows how the XYZ color 50.0051, 67.7949, 105.0579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

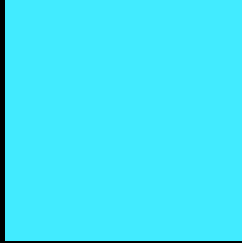
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.0051, 67.7949, 105.0579 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

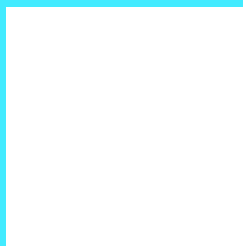
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 50.0051, 67.7949, 105.0579

## Background



This preview shows how black text looks on a background with the XYZ color 50.0051, 67.7949, 105.0579.



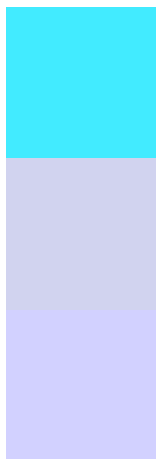
This preview shows how white text looks on a background with the XYZ color 50.0051, 67.7949,



# 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

50.0051, 67.7949, 105.0579

### Protanopia

65.1687, 66.3758, 91.0384

### Deuteranopia

67.4288, 66.5226, 103.8940



## Tritanopia

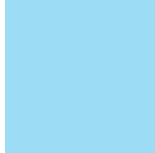
49.7777, 67.6962, 104.2091

# Trichromacy



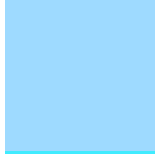
## Original Color

50.0051, 67.7949, 105.0579



## Protanomaly

55.9793, 64.9471, 95.9718



## Deuteranomaly

57.2220, 64.6319, 104.0670



## Tritanomaly

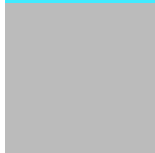
49.7777, 67.6962, 104.2091

# Monochromacy



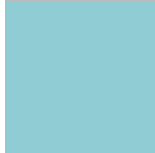
## Original Color

50.0051, 67.7949, 105.0579



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

44.8042, 53.7788, 70.3063

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.0051, 67.7949, 105.0579 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(66, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 235, 255)  
}
```

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(66, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 235, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 50.0051, 67.7949, 105.0579 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(66, 235, 255) }
```



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

```
.border{ border-color:rgb(66, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 235,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.0051, 67.7949, 105.0579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 235, 255) }
```

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

```
.background{ background-color: rgb(66, 235,  
255) }
```

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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