

# Converting Colors

XYZ(63.8746, 79.6205,  
155.0296)

Have a look what the booklet for  
XYZ(63.8746, 79.6205, 155.0296)  
contains.

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# Color

**XYZ(54.5979, 75.8913,  
106.3786)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CF8FF
RGB	76, 248, 255
RGB Percent	30%, 97%, 100%
CMY	0.7019, 0.0274, 0.0000
CMYK	0.70, 0.03, 0.00, 0.00
HSL	182°, 100%, 65%
HSV	182°, 70%, 100%
XYZ	54.5979, 75.8913, 106.3786
YIQ	197.3700, -104.7590, -34.2870

# Conversions

## Conversions Part 2

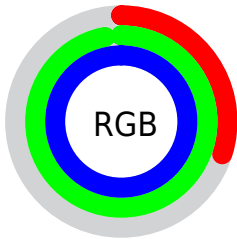
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 164, 255
Decimal	5044479
CIELab	89.81, -40.43, -16.03
CIELCh	90, 43.494, 201.620
Yxy	75.8913, 0.2305, 0.3204
Android (android.graphics.Color)	4283234559 (0xFF4CF8FF)
YUV	197.3700, 28.4116, -106.4415
Hunter-Lab	87.1156, -40.5812, -11.4193

# Details

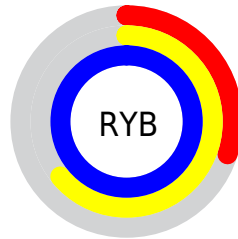
The XYZ color **54.5979, 75.8913, 106.3786** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.6388, 27.9697, 9.8329**, and the grayscale version is **53.1764, 55.9457, 60.9249**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **28.8238, 41.3388, 59.8861** is the 20% darker color. If you saturate the color by 10%, you get **52.6536, 74.4369, 106.2004**, and if you desaturate by 10%, it is **57.3501, 77.7680, 106.5958**.

# Distribution



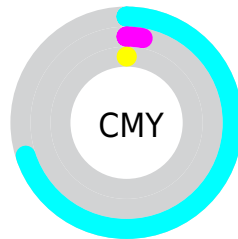
- Red (30%)
- Green (97%)
- Blue (100%)



- Red (30%)
- Yellow (64%)
- Blue (100%)



- Cyan (70%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5979, 75.8913, 106.3786 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 54.5979, 75.8913, 106.3786 by changing the saturation by 10% instead.





 54.5979, 75.8913,  
106.3786


 54.5979, 75.8913,  
106.3786


394.5471,  
480.9755, 601.8756


 39.3124, 56.3434,  
80.9917


 96.1033, 127.5732,  
172.0236


 27.1847, 40.4783,  
60.0038


 123.0540,  
160.4761, 213.1188

 17.8493, 27.9117,  
42.9964

 154.6238,  
198.5993, 260.2872

 10.9409, 18.2591,  
29.5509

 191.1781,  
242.3273, 313.9473

 6.0941, 11.1362,  
19.2488

233.0822,  
292.0446, 374.5176

 2.9436, 6.1585,  
11.6716

280.7015,

 1.1240, 2.9417,

348.1354, 442.4168

6.4006

334.4014,  
410.9843, 518.0633

■ 0.0451, 1.1014,  
3.0175

■ 0.0000, 0.0000,  
1.1036

■ 54.5979, 75.8913,  
106.3786

■ 54.5979, 75.8913,  
106.3786

■ 52.6536, 74.4369,  
106.2004

■ 57.3501, 77.7680,  
106.5958

■ 51.4100, 73.3445,  
106.0551

■ 60.9889, 80.1024,  
106.8546

■ 50.7122, 72.5445,  
105.9374

■ 65.5902, 82.9355,  
107.1589

■ 71.2203, 86.3013,  
107.5119

■ 77.9396, 90.2311,  
107.9162

■ 85.8037, 94.7535,  
108.3747

94.8646, 99.8954,  
108.8896

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.



53.5814, 75.8913, 74.3154



54.5979, 75.8913, 106.3786



60.0632, 75.8913, 138.1632

# Triad

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



54.5979, 75.8913, 106.3786



89.5497, 75.8913, 125.0277



75.1818, 75.8913, 36.8682

# Complementary

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



54.5979, 75.8913, 106.3786



45.6388, 27.9697, 9.8329

# 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.



85.7189, 75.8913, 44.4209



54.5979, 75.8913, 106.3786



94.5360, 75.8913, 91.5485

# Square

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



54.5979, 75.8913, 106.3786



80.0066, 75.8913, 150.6554



93.0687, 75.8913, 62.7129



64.7926, 75.8913, 38.9663

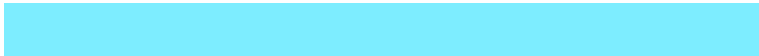


# Rectangle

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



54.5979, 75.8913, 106.3786



65.8190, 75.8913, 152.3680



93.0687, 75.8913, 62.7129



78.8371, 75.8913, 38.2778

# Sweetspot

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



54.6000, 75.8940, 106.3790



77.3544, 89.8917, 107.8816



40.2636, 73.6659, 20.0751



16.1413, 18.9986, 23.0663



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.



54.6000, 75.8940, 106.3790



52.1034, 73.9811, 106.1414



33.5226, 33.7393, 99.3532



18.4904, 20.3525, 23.2038



26.5252, 37.9599, 55.3636



2.6009, 3.7324, 5.3966



# Inverse Universe

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



60.7691, 33.2081, 92.0168



58.7571, 29.5245, 90.2964



57.1972, 51.0865, 13.6857



18.7602, 18.2874, 22.6203



30.1769, 14.5600, 46.4434

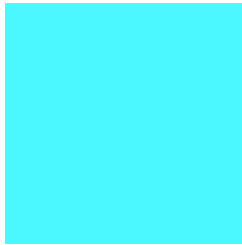


2.9474, 1.4213, 4.5704



# Previews

## White Background



This preview shows how the XYZ color 54.5979, 75.8913, 106.3786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

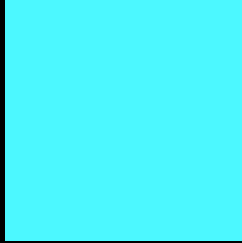
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5979, 75.8913, 106.3786 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

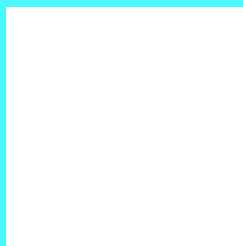
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 54.5979, 75.8913, 106.3786

## Background



This preview shows how black text looks on a background with the XYZ color 54.5979, 75.8913, 106.3786.



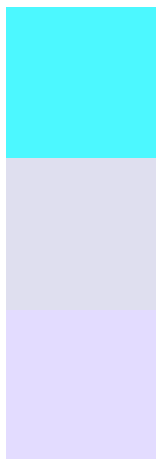
This preview shows how white text looks on a background with the XYZ color 54.5979, 75.8913,



# 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

54.5979, 75.8913, 106.3786

### Protanopia

72.3991, 74.6953, 92.2632

### Deuteranopia

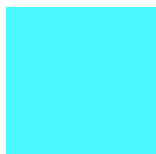
75.3218, 74.7373, 105.0636



## Tritanopia

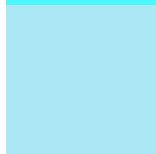
60.3654, 75.2910, 105.9588

# Trichromacy



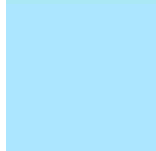
## Original Color

54.5979, 75.8913, 106.3786



## Protanomaly

61.9156, 72.8518, 97.1847



## Deuteranomaly

63.3601, 72.5843, 105.2785



## Tritanomaly

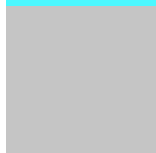
57.5718, 75.1727, 106.0832

# Monochromacy



## Original Color

54.5979, 75.8913, 106.3786



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

50.3476, 60.9460, 75.4398

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5979, 75.8913, 106.3786 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(76, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 248, 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(76, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5979, 75.8913, 106.3786 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(76, 248, 255) }
```



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

```
.border{ border-color:rgb(76, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5979, 75.8913, 106.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 248, 255) }
```

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

```
.background{ background-color: rgb(76, 248,  
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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