

# Converting Colors

XYZ(55.2124, 76.2649,  
106.4045)

Have a look what the booklet for  
XYZ(55.2124, 76.2649, 106.4045)  
contains.

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# **Color**

**XYZ(55.1847, 76.1938,  
106.4061)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53F8FF
RGB	83, 248, 255
RGB Percent	33%, 97%, 100%
CMY	0.6745, 0.0274, 0.0000
CMYK	0.67, 0.03, 0.00, 0.00
HSL	182°, 100%, 66%
HSV	182°, 67%, 100%
XYZ	55.1847, 76.1938, 106.4061
YIQ	199.4630, -100.5870, -32.8030

# Conversions

## Conversions Part 2

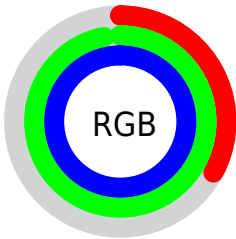
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	83, 167, 255
Decimal	5503231
CIE Lab	89.95, -39.56, -15.80
CIE LCh	90, 42.595, 201.775
Yxy	76.1938, 0.2321, 0.3204
Android (android.graphics.Color)	4283693311 (0xFF53F8FF)
YUV	199.4630, 27.3797, -102.1381
Hunter-Lab	87.2891, -39.9070, -11.1727

# Details

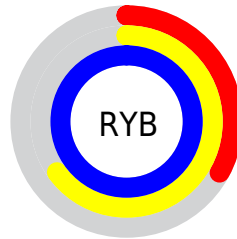
The XYZ color **55.1847, 76.1938, 106.4061** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **46.4585, 29.1982, 11.3730**, and the grayscale version is **54.4540, 57.2898, 62.3886**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **28.8238, 41.3388, 59.8861** is the 20% darker color. If you saturate the color by 10%, you get **53.0171, 74.6059, 106.2138**, and if you desaturate by 10%, it is **58.1850, 78.2170, 106.6385**.

# Distribution



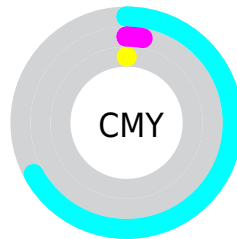
- Red (33%)
- Green (97%)
- Blue (100%)



- Red (33%)
- Yellow (65%)
- Blue (100%)



- Cyan (67%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1847, 76.1938, 106.4061 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 55.1847, 76.1938, 106.4061 by changing the saturation by 10% instead.



55.1847, 76.1938,  
106.4061

55.1847, 76.1938,  
106.4061

396.7367,  
482.0109, 601.9630

39.7840, 56.5914,  
81.0146

96.9583, 128.0008,  
172.0615

27.5537, 40.6773,  
60.0226

124.0619,  
160.9743, 213.1625

18.1282, 28.0670,  
43.0114

155.7972,  
199.1735, 260.3371

11.1423, 18.3762,  
29.5626

192.5296,  
242.9830, 314.0039

6.2306, 11.2204,  
19.2576

234.6244,  
292.7871, 374.5813

3.0278, 6.2153,  
11.6779

282.4469,

1.1685, 2.9764,

348.9701, 442.4879

6.4049

336.3626,  
411.9166, 518.1423

■ 0.0813, 1.1194,  
3.0200

■ 0.0000, 0.0000,  
1.1049

■ 55.1847, 76.1938,  
106.4061

■ 55.1847, 76.1938,  
106.4061

■ 53.0171, 74.6059,  
106.2138

■ 58.1850, 78.2170,  
106.6385

■ 51.5802, 73.3956,  
106.0560

■ 62.0932, 80.7091,  
106.9135

■ 50.7512, 72.5013,  
105.9270

■ 66.9829, 83.7099,  
107.2350

■ 50.5896, 72.2993,  
105.8965

■ 72.9186, 87.2525,  
107.6059

■ 79.9594, 91.3675,  
108.0291

■ 88.1597, 96.0828,  
108.5071

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.



54.1588, 76.1938, 74.9331



55.1847, 76.1938, 106.4061



60.5912, 76.1938, 137.4141

# Triad

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



55.1847, 76.1938, 106.4061



89.5338, 76.1938, 124.3014



75.3579, 76.1938, 37.7603

# Complementary

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



55.1847, 76.1938, 106.4061



46.4585, 29.1982, 11.3730

# 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.



85.6959, 76.1938, 45.2127



55.1847, 76.1938, 106.4061



94.3837, 76.1938, 91.5450

# Square

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



55.1847, 76.1938, 106.4061



80.2000, 76.1938, 149.3682



92.9150, 76.1938, 63.2424



65.1600, 76.1938, 39.8962

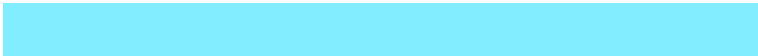


# Rectangle

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



55.1847, 76.1938, 106.4061



66.2653, 76.1938, 151.1949



92.9150, 76.1938, 63.2424



78.9443, 76.1938, 39.1464

# Sweetspot

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



55.1868, 76.1965, 106.4065



78.0536, 90.2608, 107.9160



41.1207, 74.0765, 21.5258



16.2761, 19.0683, 23.0727



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.



55.1868, 76.1965, 106.4065



52.4281, 74.1352, 106.1540



34.7638, 35.3507, 99.5989



18.4878, 20.3472, 23.2029



26.4621, 37.8339, 55.3425



2.5954, 3.7216, 5.3948



# Inverse Universe

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



61.2779, 34.2257, 92.1864



59.0419, 30.1015, 90.3689



58.0808, 52.4429, 15.2471



18.7589, 18.2869, 22.6133



30.1451, 14.5473, 46.2758

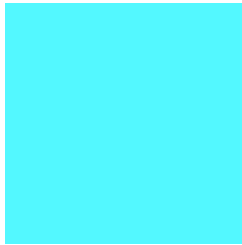


2.9447, 1.4202, 4.5560



# Previews

## White Background



This preview shows how the XYZ color 55.1847, 76.1938, 106.4061 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

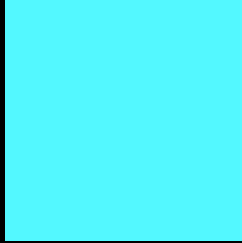
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.1847, 76.1938, 106.4061 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 55.1847, 76.1938, 106.4061

## Background



This preview shows how black text looks on a background with the XYZ color 55.1847, 76.1938, 106.4061.



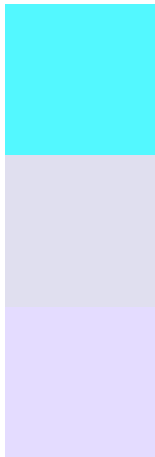
This preview shows how white text looks on a background with the XYZ color 55.1847, 76.1938,



# 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

55.1847, 76.1938, 106.4061

### Protanopia

72.7081, 74.8546, 92.2776

### Deuteranopia

75.6381, 74.9004, 105.0784



## Tritanopia

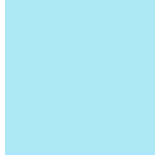
60.8871, 75.5599, 105.9832

# Trichromacy



## Original Color

55.1847, 76.1938, 106.4061



## Protanomaly

62.5716, 73.1900, 97.2154



## Deuteranomaly

64.0260, 72.9276, 105.3096



## Tritanomaly

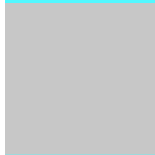
58.1266, 75.4588, 106.1091

# Monochromacy



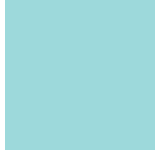
## Original Color

55.1847, 76.1938, 106.4061



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

51.5037, 61.9083, 76.2528

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.1847, 76.1938, 106.4061 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(83, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 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(83, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 55.1847, 76.1938, 106.4061 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(83, 248, 255) }
```



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

```
.border{ border-color:rgb(83, 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(83, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.1847, 76.1938, 106.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 248, 255) }
```

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

```
.background{ background-color: rgb(83, 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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