

# Converting Colors

XYZ(58.3349, 79.6656,  
106.8984)

Have a look what the booklet for  
XYZ(58.3349, 79.6656, 106.8984)  
contains.

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# Color

**XYZ(58.3399, 79.6656,  
106.9099)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FCFF
RGB	102, 252, 255
RGB Percent	40%, 99%, 100%
CMY	0.6000, 0.0117, 0.0000
CMYK	0.60, 0.01, 0.00, 0.00
HSL	181°, 100%, 70%
HSV	181°, 60%, 100%
XYZ	58.3399, 79.6656, 106.9099
YIQ	207.4920, -90.3630, -30.8670

# Conversions

## Conversions Part 2

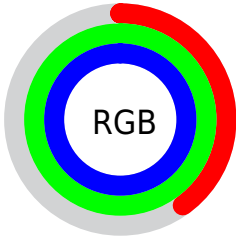
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 178, 255</a>
Decimal	<a href="#">6749439</a>
CIELab	<a href="#">91.53, -38.59, -13.38</a>
CIElCh	<a href="#">92, 40.840, 199.124</a>
Yxy	<a href="#">79.6656, 0.2382, 0.3253</a>
Android (android.graphics.Color)	<a href="#">4284939519 (0xFF66FCFF)</a>
YUV	<a href="#">207.4920, 23.4214, -92.5165</a>
Hunter-Lab	<a href="#">89.2556, -39.5248, -8.5384</a>

# Details

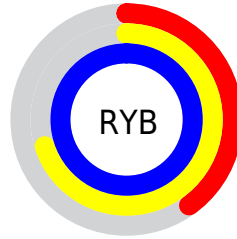
The XYZ color **58.3399, 79.6656, 106.9099** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.6907, 32.3235, 16.2452**, and the grayscale version is **59.5232, 62.6231, 68.1965**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **29.7081, 43.1074, 60.1809** is the 20% darker color. If you saturate the color by 10%, you get **55.7260, 78.0874, 106.7431**, and if you desaturate by 10%, it is **61.8469, 81.7085, 107.1194**.

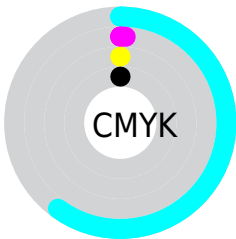
# Distribution



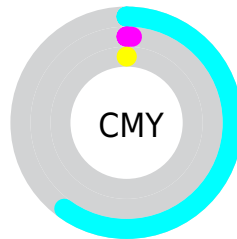
- Red (40%)
- Green (99%)
- Blue (100%)



- Red (40%)
- Yellow (70%)
- Blue (100%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3399, 79.6656, 106.9099 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 58.3399, 79.6656, 106.9099 by changing the saturation by 10% instead.





 58.3399, 79.6656,  
106.9099


 58.3399, 79.6656,  
106.9099


408.3848,  
493.8052, 603.5614

 42.3263, 59.4432,  
81.4348


 101.5378,  
132.8955, 172.7554

 29.5491, 42.9700,  
60.3666


 129.4528,  
166.6718, 213.9629

 19.6430, 29.8616,  
43.2870

 162.0656,  
205.7348, 261.2515

 12.2425, 19.7336,  
29.7773

199.7416,  
250.4690, 315.0399

 6.9824, 12.2015,  
19.4190

242.8462,  
301.2587, 375.7465

 3.4974, 6.8811,  
11.7935

291.7447,

 1.4219, 3.3878,

358.4884, 443.7899

6.4824

346.8024,  
422.5424, 519.5887

■ 0.2718, 1.3374,  
3.0671

■ 0.0000, 0.1699,  
1.1290

■ 58.3399, 79.6656,  
106.9099

■ 58.3399, 79.6656,  
106.9099

■ 55.7260, 78.0874,  
106.7431

■ 61.8469, 81.7085,  
107.1194

■ 53.9144, 76.9216,  
106.6135

■ 66.3145, 84.2453,  
107.3736

■ 52.8065, 76.1192,  
106.5170

■ 71.8109, 87.3132,  
107.6760

■ 52.2377, 75.5953,  
106.4459

■ 78.3963, 90.9430,  
108.0296

■ 52.2376, 75.5951,  
106.4459

■ 86.1264, 95.1636,  
108.4368

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.



57.7159, 79.6656, 76.3703



58.3399, 79.6656, 106.9099



63.3623, 79.6656, 137.7049

# Triad

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



58.3399, 79.6656, 106.9099



91.8845, 79.6656, 129.9220



79.5593, 79.6656, 41.7492

# Complementary

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



58.3399, 79.6656, 106.9099



48.6907, 32.3235, 16.2452

# 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.



89.5878, 79.6656, 50.2178



58.3399, 79.6656, 106.9099



97.1251, 79.6656, 98.0133

# Square

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



58.3399, 79.6656, 106.9099



82.4682, 79.6656, 152.9535



96.2481, 79.6656, 69.2852



69.3499, 79.6656, 43.0736



# Rectangle

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



58.3399, 79.6656, 106.9099



68.8092, 79.6656, 152.0807



96.2481, 79.6656, 69.2852



83.0782, 79.6656, 43.4505

# Sweetspot

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



58.3420, 79.6685, 106.9104



79.8467, 91.7377, 108.1065



43.7675, 75.3561, 25.4842



16.6413, 19.3895, 23.1154



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.



58.3420, 79.6685, 106.9104



55.3017, 77.8221, 106.7142



39.0467, 41.0779, 100.4786



18.5226, 20.4168, 23.2145



27.3091, 39.5278, 55.6249



2.6683, 3.8674, 5.4191



# Inverse Universe

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



63.5635, 37.7928, 96.0433



60.9952, 32.8081, 94.7193



60.1735, 55.2891, 20.0728



18.7764, 18.2939, 22.7058



30.5726, 14.7183, 48.5271

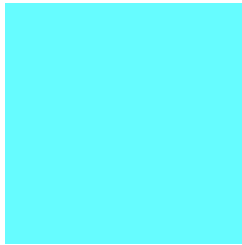


2.9815, 1.4350, 4.7498



# Previews

## White Background



This preview shows how the XYZ color 58.3399, 79.6656, 106.9099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

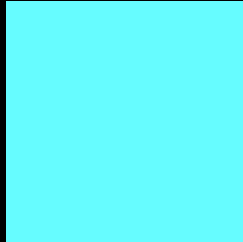
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3399, 79.6656, 106.9099 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 58.3399, 79.6656, 106.9099

## Background



This preview shows how black text looks on a background with the XYZ color 58.3399, 79.6656, 106.9099.



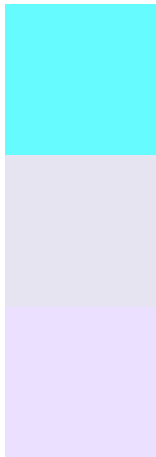
This preview shows how white text looks on a background with the XYZ color 58.3399, 79.6656,



# 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

58.3399, 79.6656, 106.9099

### Protanopia

76.1047, 78.6011, 93.5985

### Deuteranopia

78.9666, 78.1935, 105.5386



## Tritanopia

65.9506, 79.0491, 106.3898

# Trichromacy



## Original Color

58.3399, 79.6656, 106.9099



## Protanomaly

66.2941, 77.2282, 97.7987



## Deuteranomaly

67.9663, 76.6304, 105.8167



## Tritanomaly

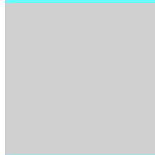
62.5074, 79.0608, 106.5735

# Monochromacy



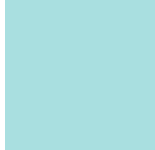
## Original Color

58.3399, 79.6656, 106.9099



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

56.2044, 66.5922, 80.4123

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3399, 79.6656, 106.9099 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(102, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 252, 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(102, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 252, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3399, 79.6656, 106.9099 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(102, 252, 255) }
```



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

```
.border{ border-color:rgb(102, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 252,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3399, 79.6656, 106.9099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 252, 255) }
```

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

```
.background{ background-color: rgb(102,  
252, 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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