

# Converting Colors

XYZ(57.3958, 76.4301, 98.9231)

Have a look what the booklet for  
XYZ(57.3958, 76.4301, 98.9231)  
contains.

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# Color

**XYZ(57.4755, 76.6303,  
98.9506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79F6F6
RGB	121, 246, 246
RGB Percent	47%, 96%, 96%
CMY	0.5255, 0.0353, 0.0353
CMYK	0.51, 0.00, 0.00, 0.04
HSL	180°, 87%, 72%
HSV	180°, 51%, 96%
XYZ	57.4755, 76.6303, 98.9506
YIQ	208.6250, -74.5000, -26.5000

# Conversions

## Conversions Part 2

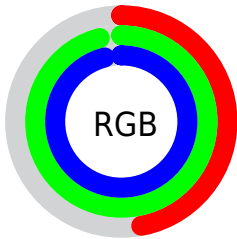
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">121, 184, 246</a>
Decimal	<a href="#">7993078</a>
CIELab	<a href="#">90.15, -34.73, -10.70</a>
CIELCh	<a href="#">90, 36.344, 197.129</a>
Yxy	<a href="#">76.6303, 0.2466, 0.3288</a>
Android (android.graphics.Color)	<a href="#">4286183158 (0xFF79F6F6)</a>
YUV	<a href="#">208.6250, 18.4259, -76.8471</a>
Hunter-Lab	<a href="#">87.5387, -35.9946, -5.7421</a>

# Details

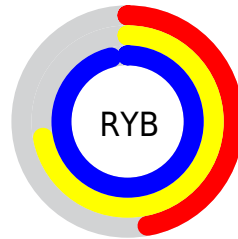
The XYZ color **57.4755, 76.6303, 98.9506** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.2972, 34.6505, 22.2345**, and the grayscale version is **60.2808, 63.4201, 69.0645**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **28.9601, 40.8698, 55.0775** is the 20% darker color. If you saturate the color by 10%, you get **54.4584, 75.0767, 98.8107**, and if you desaturate by 10%, it is **61.3761, 78.6429, 99.1352**.

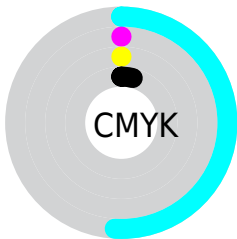
# Distribution



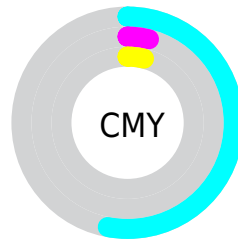
- Red (47%)
- Green (96%)
- Blue (96%)



- Red (47%)
- Yellow (72%)
- Blue (96%)



- Cyan (51%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)




- Cyan (53%)
- Magenta (4%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4755, 76.6303, 98.9506 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 57.4755, 76.6303, 98.9506 by changing the saturation by 10% instead.




 57.4755, 76.6303,  
98.9506


 57.4755, 76.6303,  
98.9506


405.2141,  
483.5026, 578.0408


 41.6288, 56.9495,  
74.8124


 100.2860,  
128.6175, 161.7536

 29.0005, 40.9647,  
54.9584


 127.9805,  
161.6926, 201.2555

 19.2255, 28.2915,  
38.9701


 160.3550,  
200.0014, 246.7158

 11.9383, 18.5455,  
26.4288

197.7748,  
243.9281, 298.5529

 6.7736, 11.3423,  
16.9161

240.6052,  
293.8572, 357.1854

 3.3660, 6.2976,  
10.0133

289.2117,

 1.3501, 3.0269,

350.1730, 423.0319

5.3021

343.9595,  
413.2600, 496.5108

■ 0.2203, 1.1458,  
2.3638

■ 0.0000, 0.0167,  
0.7666

■ 57.4755, 76.6303,  
98.9506

■ 57.4755, 76.6303,  
98.9506

■ 54.4584, 75.0767,  
98.8107

■ 61.3761, 78.6429,  
99.1352

■ 52.2496, 73.9381,  
98.7070

■ 66.2142, 81.1370,  
99.3620

■ 50.7733, 73.1770,  
98.6375

■ 72.0479, 84.1444,  
99.6354

■ 49.9359, 72.7453,  
98.5980

■ 78.9283, 87.6914,  
99.9577

■ 49.5914, 72.5677,  
98.5815

■ 86.9032, 91.8025,  
100.3313

■ 90.8322, 93.8280,  
100.5156

■ 90.8323, 93.8281,  
100.5159

■ 90.8323, 93.8281,  
100.5163

■ 90.8324, 93.8281,  
100.5167

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.1909, 76.6303, 72.8475



57.4755, 76.6303, 98.9506



61.6531, 76.6303, 125.4267

# Triad

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



57.4755, 76.6303, 98.9506



86.3100, 76.6303, 122.0304



76.7698, 76.6303, 43.7547

# Complementary

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



57.4755, 76.6303, 98.9506



48.2972, 34.6505, 22.2345

# 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.



85.2928, 76.6303, 52.0520



57.4755, 76.6303, 98.9506



91.0992, 76.6303, 95.0068

# Square

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



57.4755, 76.6303, 98.9506



78.0673, 76.6303, 140.5249



90.7122, 76.6303, 69.6367



67.8415, 76.6303, 44.3793



# Rectangle

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



57.4755, 76.6303, 98.9506



66.2953, 76.6303, 138.1281



90.7122, 76.6303, 69.6367



79.7908, 76.6303, 45.5066

# Sweetspot

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



57.4778, 76.6333, 98.9524



82.3509, 93.4534, 108.3051



44.5897, 71.5121, 29.5442



17.2905, 19.8297, 23.1660



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.



57.4778, 76.6333, 98.9524



59.0044, 81.4179, 107.2107



41.9935, 45.6640, 93.7927



16.9968, 18.7578, 21.2673



26.4690, 38.7325, 52.6172



2.3264, 3.4042, 4.6246



# Inverse Universe

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



48.2972, 34.6505, 22.2345



48.0184, 31.1787, 15.4055



58.0687, 54.1937, 25.4910



16.4992, 16.4825, 17.1095



20.2862, 10.4579, 0.9495

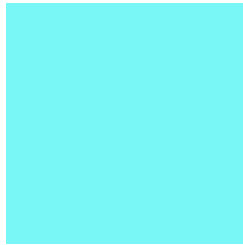


1.7830, 0.9191, 0.0835



# Previews

## White Background



This preview shows how the XYZ color 57.4755, 76.6303, 98.9506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

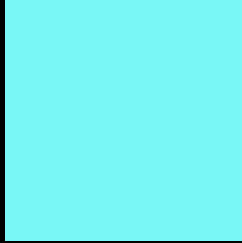
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.4755, 76.6303, 98.9506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

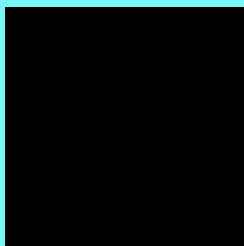
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

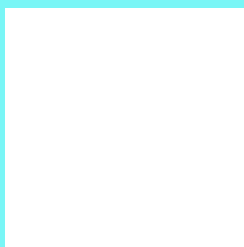
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.4755, 76.6303, 98.9506**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.4755, 76.6303, 98.9506.



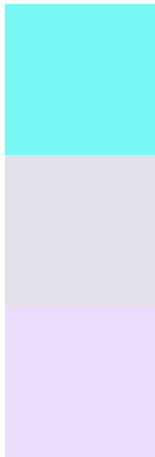
This preview shows how white text looks on a background with the XYZ color 57.4755, 76.6303,



# 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

57.4755, 76.6303, 98.9506

### Protanopia

73.0422, 75.5254, 87.8189

### Deuteranopia

77.1632, 75.3535, 102.5732



## Tritanopia

62.6268, 76.0209, 105.9805

# Trichromacy



## Original Color

57.4755, 76.6303, 98.9506



## Protanomaly

65.0283, 74.5776, 91.8565



## Deuteranomaly

67.5228, 74.4101, 101.2462



## Tritanomaly

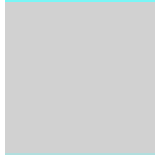
60.6505, 76.3722, 103.6401

# Monochromacy



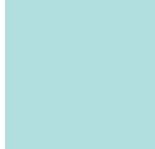
## Original Color

57.4755, 76.6303, 98.9506



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

57.4376, 66.8636, 78.9859

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.4755, 76.6303, 98.9506 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(121, 246, 246)` looks like.

```
.text, #text, p{  
    color:rgb(121, 246, 246)  
}
```

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(121, 246, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 246, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 57.4755, 76.6303, 98.9506 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(121, 246, 246) }
```



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

```
.border{ border-color:rgb(121, 246, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 246, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 246, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 246, 246);  
box-shadow:4px 4px 4px 4px rgb(121, 246,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.4755, 76.6303, 98.9506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 246, 246) }
```

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

```
.background{ background-color: rgb(121,  
246, 246) }
```

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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