

# Converting Colors

XYZ(57.3643, 51.2701,  
101.4804)

Have a look what the booklet for  
XYZ(57.3643, 51.2701, 101.4804)  
contains.

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# Color

**XYZ(57.4588, 51.4660,  
101.5133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6B3FF
RGB	198, 179, 255
RGB Percent	78%, 70%, 100%
CMY	0.2235, 0.2980, 0.0000
CMYK	0.22, 0.30, 0.00, 0.00
HSL	255°, 100%, 85%
HSV	255°, 30%, 100%
XYZ	57.4588, 51.4660, 101.5133
YIQ	193.3450, -13.0720, 27.6640

# Conversions

## Conversions Part 2

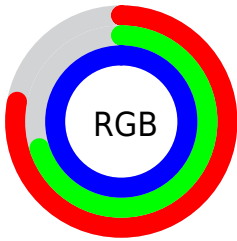
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 179, 255
Decimal	13022207
CIE <sub>Lab</sub>	76.96, 22.08, -35.11
CIE <sub>LCh</sub>	77, 41.474, 302.173
Yxy	51.4660, 0.2730, 0.2446
Android (android.graphics.Color)	4291212287 (0xFFC6B3FF)
YUV	193.3450, 30.3959, 4.0824
Hunter-Lab	71.7398, 17.4219, -33.6787

# Details

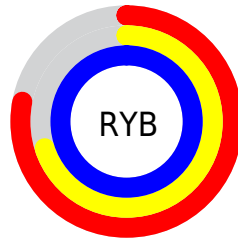
The XYZ color **57.4588, 51.4660, 101.5133** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.4896, 92.6079, 56.3883**, and the grayscale version is **50.7251, 53.3668, 58.1164**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **28.9816, 24.8386, 56.6929** is the 20% darker color. If you saturate the color by 10%, you get **48.0861, 39.7370, 99.7433**, and if you desaturate by 10%, it is **68.4162, 65.4171, 103.6286**.

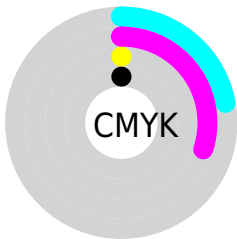
# Distribution



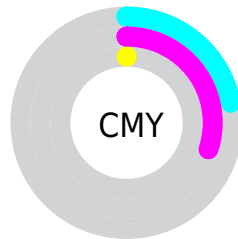
- Red (78%)
- Green (70%)
- Blue (100%)



- Red (78%)
- Yellow (70%)
- Blue (100%)



- Cyan (22%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (30%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4588, 51.4660, 101.5133 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 57.4588, 51.4660, 101.5133 by changing the saturation by 10% instead.



■ 57.4588, 51.4660,  
101.5133

■ 57.4588, 51.4660,  
101.5133

405.1527,  
392.3716, 586.3217

■ 41.6153, 36.5796,  
76.9410

■ 100.2618, 92.3432,  
165.3052

■ 28.9900, 24.8822,  
56.6932

127.9521,  
119.1029, 205.3620

■ 19.2175, 15.9893,  
40.3513

160.3219,  
150.5890, 251.4173

■ 11.9325, 9.5166,  
27.4967

197.7367,  
187.1861, 303.8898

■ 6.7696, 5.0796,  
17.7109

240.5618,  
229.2785, 363.1979

■ 3.3635, 2.2941,  
10.5753

289.1626,

■ 1.3488, 0.7706,

277.2506, 429.7603

5.6715

343.9045,  
331.4869, 503.9953

■ 0.2193, 0.0000,  
2.5808

■ 0.0000, 0.0000,  
0.8825

■ 57.4588, 51.4660,  
101.5133

■ 57.4588, 51.4660,  
101.5133

■ 48.0861, 39.7370,  
99.7433

■ 68.4162, 65.4171,  
103.6286

■ 40.2175, 30.1075,  
98.2994

■ 81.0241, 81.6921,  
106.1055

■ 33.7723, 22.4523,  
97.1615

95.0500, 100.0000,  
108.9000

■ 28.6599, 16.6297,  
96.3070

■ 24.7783, 12.4788,  
95.7104

■ 22.0091, 9.8095,  
95.3412

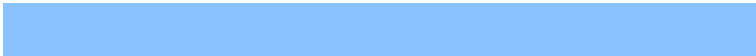
■ 20.1781, 8.3252,  
95.1512

■ 20.1481, 8.3016,  
95.1482

# Harmonies

## Analogous

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



49.4950, 51.4660, 111.7172



57.4588, 51.4660, 101.5133



63.6169, 51.4660, 78.8963

# Triad

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



57.4588, 51.4660, 101.5133



56.3556, 51.4660, 25.6989



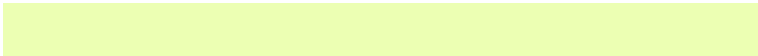
35.2542, 51.4660, 57.7031

# Complementary

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



57.4588, 51.4660, 101.5133



78.4896, 92.6079, 56.3883

# 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.



36.6760, 51.4660, 38.0850



57.4588, 51.4660, 101.5133



48.3433, 51.4660, 22.8391

# Square

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



57.4588, 51.4660, 101.5133



62.9333, 51.4660, 35.9194



41.2665, 51.4660, 26.6922



37.1533, 51.4660, 82.5392



# Rectangle

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



57.4588, 51.4660, 101.5133



65.5606, 51.4660, 62.1734



41.2665, 51.4660, 26.6922



35.3592, 51.4660, 50.3196

# Sweetspot

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



57.4604, 51.4680, 101.5136



82.1092, 83.1017, 106.3204



67.0031, 77.5277, 106.0406



17.1553, 17.2425, 22.6739



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.



57.4604, 51.4680, 101.5136



51.4688, 43.9433, 100.3770



68.3443, 57.0789, 102.0229



17.4284, 17.5971, 22.7279



10.6416, 4.3964, 49.7223



1.1309, 0.4769, 4.8457



# Inverse Universe

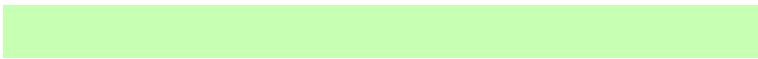
The Inverse Universe completely reimagines the original color for something new.



72.5014, 59.5581, 87.0325



68.9454, 53.3545, 83.0461



67.5219, 86.9539, 55.8750



18.5872, 18.2182, 21.7094



26.5400, 13.1053, 27.2918

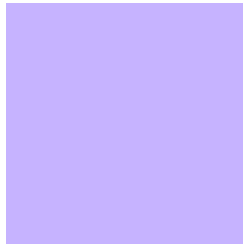


2.6278, 1.2935, 2.8873



# Previews

## White Background



This preview shows how the XYZ color 57.4588, 51.4660, 101.5133 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

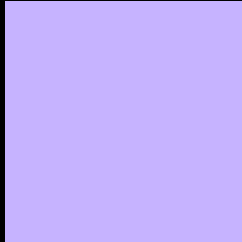
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.4588, 51.4660, 101.5133 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

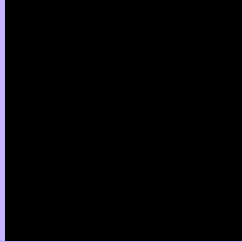
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 57.4588, 51.4660, 101.5133

## Background



This preview shows how black text looks on a background with the XYZ color 57.4588, 51.4660, 101.5133.



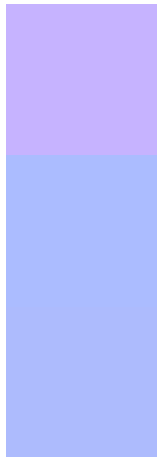
This preview shows how white text looks on a background with the XYZ color 57.4588, 51.4660,



# 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

57.4588, 51.4660, 101.5133

### Protanopia

52.8278, 51.8444, 101.8304

### Deuteranopia

52.7335, 51.5167, 100.0929



## Tritanopia

50.0829, 51.5736, 64.4418

# Trichromacy



## Original Color

57.4588, 51.4660, 101.5133

## Protanomaly

54.4550, 51.7417, 101.7248

## Deuteranomaly

54.3213, 51.3818, 100.8206

## Tritanomaly

52.4065, 51.2321, 76.9387

# Monochromacy



## Original Color

57.4588, 51.4660, 101.5133

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

52.8836, 52.5264, 72.3171

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.4588, 51.4660, 101.5133 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(198, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 179, 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(198, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 179, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 57.4588, 51.4660, 101.5133 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(198, 179, 255) }
```



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

```
.border{ border-color:rgb(198, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 179,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.4588, 51.4660, 101.5133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 179, 255) }
```

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

```
.background{ background-color: rgb(198,  
179, 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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