

# Converting Colors

XYZ(57.3080, 52.0027,  
101.6248)

Have a look what the booklet for  
XYZ(57.3080, 52.0027, 101.6248)  
contains.

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# Color

**XYZ(57.3388, 52.0035,  
101.6233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4B5FF
RGB	196, 181, 255
RGB Percent	77%, 71%, 100%
CMY	0.2314, 0.2902, 0.0000
CMYK	0.23, 0.29, 0.00, 0.00
HSL	252°, 100%, 85%
HSV	252°, 29%, 100%
XYZ	57.3388, 52.0035, 101.6233
YIQ	193.9210, -14.8140, 26.1940

# Conversions

## Conversions Part 2

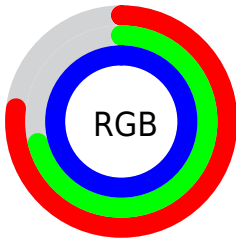
Format	Color
R <sub>Y</sub> B	196, 181, 255
Decimal	12891647
CIE Lab	77.28, 20.40, -34.62
CIE LCh	77, 40.183, 300.508
Yxy	52.0035, 0.2718, 0.2465
Android (android.graphics.Color)	4291081727 (0xFFC4B5FF)
YUV	193.9210, 30.1119, 1.8233
Hunter-Lab	72.1135, 15.7303, -33.0729

# Details

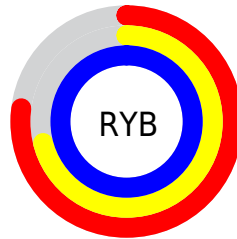
The XYZ color **57.3388, 52.0035, 101.6233** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.0365, 93.3818, 57.5243**, and the grayscale version is **51.0667, 53.7262, 58.5078**.

A 20% lighter version of the original color is **89.2072, 88.8592, 107.0576**, and **28.8967, 25.1783, 56.7630** is the 20% darker color. If you saturate the color by 10%, you get **47.6857, 40.0227, 99.8196**, and if you desaturate by 10%, it is **68.6605, 66.2555, 103.7775**.

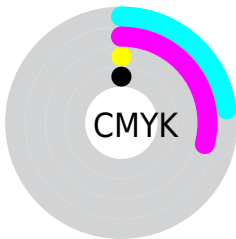
# Distribution



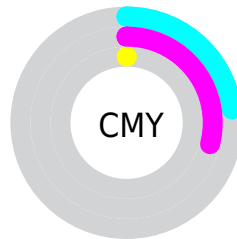
- Red (77%)
- Green (71%)
- Blue (100%)



- Red (77%)
- Yellow (71%)
- Blue (100%)



- Cyan (23%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (29%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3388, 52.0035, 101.6233 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 57.3388, 52.0035, 101.6233 by changing the saturation by 10% instead.



■ 57.3388, 52.0035,  
101.6233

■ 57.3388, 52.0035,  
101.6233

404.7113,  
394.4501, 586.6757

■ 41.5185, 37.0079,  
77.0325

■ 100.0879, 93.1364,  
165.4575

■ 28.9139, 25.2136,  
56.7678

127.7474,  
120.0425, 205.5379

■ 19.1597, 16.2363,  
40.4107

160.0840,  
151.6874, 251.6187

■ 11.8904, 9.6915,  
27.5427

197.4631,  
188.4558, 304.1183

■ 6.7408, 5.1949,  
17.7452

240.2500,  
230.7318, 363.4552

■ 3.3454, 2.3621,  
10.5997

288.8101,

■ 1.3389, 0.8063,

278.8999, 430.0481

5.6876

343.5088,  
333.3446, 504.3154

■ 0.2121, 0.0000,  
2.5903

■ 0.0000, 0.0000,  
0.8875

■ 57.3388, 52.0035,  
101.6233

■ 57.3388, 52.0035,  
101.6233

■ 47.6857, 40.0227,  
99.8196

■ 68.6605, 66.2555,  
103.7775

■ 39.6162, 30.1886,  
98.3467

■ 81.7211, 82.8824,  
106.2985

■ 33.0444, 22.3741,  
97.1847

95.0500, 100.0000,  
108.9000

■ 27.8742, 16.4356,  
96.3110

■ 23.9980, 12.2105,  
95.6998

■ 21.2906, 9.5072,  
95.3207

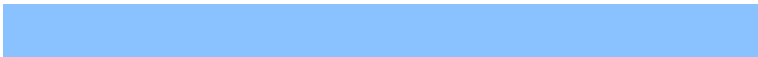
■ 19.5816, 8.0499,  
95.1295

■ 19.4502, 7.9418,  
95.1155

# Harmonies

## Analogous

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



49.5592, 52.0035, 110.5471



57.3388, 52.0035, 101.6233



63.4811, 52.0035, 80.1918

# Triad

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



57.3388, 52.0035, 101.6233



57.0880, 52.0035, 27.1331



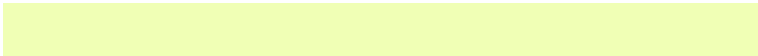
36.0409, 52.0035, 56.9999

# Complementary

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



57.3388, 52.0035, 101.6233



80.0365, 93.3818, 57.5243

# 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.



37.6185, 52.0035, 38.1939



57.3388, 52.0035, 101.6233



49.2965, 52.0035, 23.9039

# Square

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



57.3388, 52.0035, 101.6233



63.3260, 52.0035, 37.6950



42.2801, 52.0035, 27.3641



37.7281, 52.0035, 81.0162



# Rectangle

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



57.3388, 52.0035, 101.6233



65.5318, 52.0035, 63.9143



42.2801, 52.0035, 27.3641



36.2051, 52.0035, 49.9084

# Sweetspot

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



57.3404, 52.0055, 101.6236



81.7463, 82.9146, 106.3034



68.3262, 79.4827, 106.3483



17.0665, 17.1967, 22.6697



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.



57.3404, 52.0055, 101.6236



51.3699, 44.5723, 100.5036



68.1141, 57.5596, 102.1278



17.3468, 17.5550, 22.7241



10.2594, 4.1994, 49.7044



1.0831, 0.4523, 4.8435



# Inverse Universe

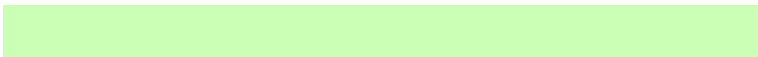
The Inverse Universe completely reimagines the original color for something new.



73.4930, 60.6007, 90.2625



70.1036, 54.5507, 86.8857



68.7848, 87.5814, 56.9978



18.6256, 18.2336, 21.9115



27.2560, 13.3917, 31.0623

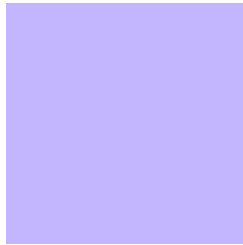


2.6919, 1.3191, 3.2249



# Previews

## White Background



This preview shows how the XYZ color 57.3388, 52.0035, 101.6233 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

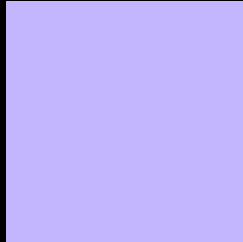
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.3388, 52.0035, 101.6233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

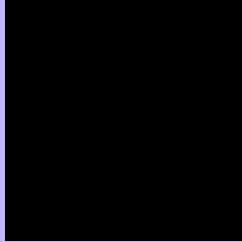
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 57.3388, 52.0035, 101.6233

## Background



This preview shows how black text looks on a background with the XYZ color 57.3388, 52.0035, 101.6233.



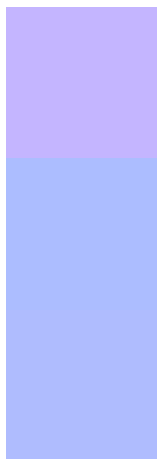
This preview shows how white text looks on a background with the XYZ color 57.3388, 52.0035,



# 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

57.3388, 52.0035, 101.6233

### Protanopia

53.2609, 52.3858, 101.9121

### Deuteranopia

53.5518, 52.2362, 101.0260



## Tritanopia

50.0476, 51.8479, 65.7624

# Trichromacy



## Original Color

57.3388, 52.0035, 101.6233

## Protanomaly

54.6650, 52.1616, 101.7948

## Deuteranomaly

54.7668, 51.9210, 100.9012

## Tritanomaly

52.4601, 51.8696, 77.7679

# Monochromacy



## Original Color

57.3388, 52.0035, 101.6233

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

53.0979, 52.9552, 72.3886

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.3388, 52.0035, 101.6233 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(196, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 181, 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(196, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 181, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 57.3388, 52.0035, 101.6233 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(196, 181, 255) }
```



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

```
.border{ border-color:rgb(196, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 181,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.3388, 52.0035, 101.6233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 181, 255) }
```

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

```
.background{ background-color: rgb(196,  
181, 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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