

# Converting Colors

XYZ(67.9105, 57.6391,  
148.5281)

Have a look what the booklet for  
XYZ(67.9105, 57.6391, 148.5281)  
contains.

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# **Color**

**XYZ(58.9521, 54.0600,  
101.9353)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7B9FF
RGB	199, 185, 255
RGB Percent	78%, 73%, 100%
CMY	0.2196, 0.2745, 0.0000
CMYK	0.22, 0.27, 0.00, 0.00
HSL	252°, 100%, 86%
HSV	252°, 27%, 100%
XYZ	58.9521, 54.0600, 101.9353
YIQ	197.1660, -14.1260, 24.7380

# Conversions

## Conversions Part 2

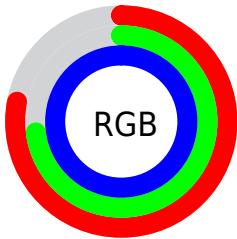
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 185, 255
Decimal	13089279
CIE <sub>Lab</sub>	78.50, 19.09, -32.73
CIE <sub>LCh</sub>	78, 37.889, 300.259
Yxy	54.0600, 0.2743, 0.2515
Android (android.graphics.Color)	4291279359 (0xFFC7B9FF)
YUV	197.1660, 28.5122, 1.6084
Hunter-Lab	73.5255, 14.4501, -30.7314

# Details

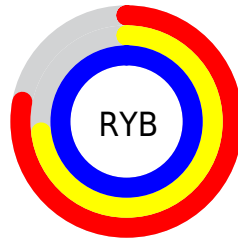
The XYZ color **58.9521, 54.0600, 101.9353** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.7935, 93.7240, 59.7335**, and the grayscale version is **53.0118, 55.7726, 60.7364**.

A 20% lighter version of the original color is **90.7453, 91.3906, 107.4651**, and **29.9459, 26.5090, 56.9645** is the 20% darker color. If you saturate the color by 10%, you get **49.0336, 41.7264, 100.0774**, and if you desaturate by 10%, it is **70.5560, 68.6851, 104.1466**.

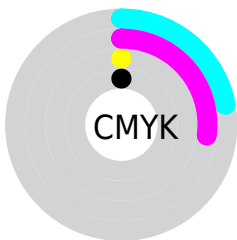
# Distribution



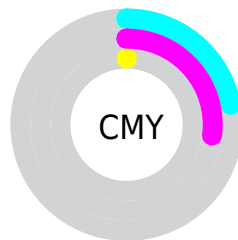
- Red (78%)
- Green (73%)
- Blue (100%)



- Red (78%)
- Yellow (73%)
- Blue (100%)



- Cyan (22%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9521, 54.0600, 101.9353 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 58.9521, 54.0600, 101.9353 by changing the saturation by 10% instead.



■ 58.9521, 54.0600,  
101.9353

■ 58.9521, 54.0600,  
101.9353

410.6213,  
402.3388, 587.6793

■ 42.8208, 38.6496,  
77.2919

■ 102.4231, 96.1623,  
165.8892

■ 29.9384, 26.4873,  
56.9795

130.4934,  
123.6231, 206.0368

■ 19.9397, 17.1885,  
40.5795

163.2742,  
155.8694, 252.1895

■ 12.4592, 10.3690,  
27.6735

201.1307,  
193.2858, 304.7660

■ 7.1317, 5.6443,  
17.8428

244.4283,  
236.2565, 364.1846

■ 3.5916, 2.6300,  
10.6689

293.5324,

■ 1.4738, 0.9418,

285.1659, 430.8640

5.7333

348.8082,  
340.3986, 505.2228

■ 0.3079, 0.0000,  
2.6174

■ 0.0000, 0.0000,  
0.9014

■ 58.9521, 54.0600,  
101.9353

■ 58.9521, 54.0600,  
101.9353

■ 49.0336, 41.7264,  
100.0774

■ 70.5560, 68.6851,  
104.1466

■ 40.7160, 31.5609,  
98.5536

■ 83.9150, 85.7041,  
106.7275

■ 33.9144, 23.4382,  
97.3443

95.0500, 100.0000,  
108.9000

■ 28.5338, 17.2169,  
96.4270

■ 24.4681, 12.7378,  
95.7768

■ 21.5951, 9.8145,  
95.3639

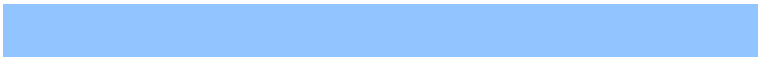
■ 19.7628, 8.2078,  
95.1504

■ 19.4151, 7.9238,  
95.1139

# Harmonies

## Analogous

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



51.4473, 54.0600, 110.2181



58.9521, 54.0600, 101.9353



64.8654, 54.0600, 81.6746

# Triad

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



58.9521, 54.0600, 101.9353



58.8290, 54.0600, 29.9206



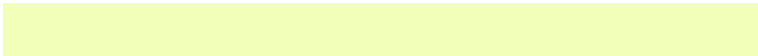
38.3359, 54.0600, 59.0482

# Complementary

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



58.9521, 54.0600, 101.9353



80.7935, 93.7240, 59.7335

# 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.



39.9106, 54.0600, 40.7501



58.9521, 54.0600, 101.9353



51.3175, 54.0600, 26.6061

# Square

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



58.9521, 54.0600, 101.9353



64.7897, 54.0600, 40.4986



44.4901, 54.0600, 30.0392



39.9655, 54.0600, 82.0758



# Rectangle

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



58.9521, 54.0600, 101.9353



66.8501, 54.0600, 66.0870



44.4901, 54.0600, 30.0392



38.5061, 54.0600, 52.1840

# Sweetspot

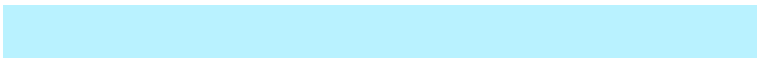
The Sweet Spot groups the original color and five complimentary colors.



58.9537, 54.0621, 101.9356



83.1325, 84.7029, 106.5755



69.8605, 81.1388, 106.5870



17.3422, 17.5526, 22.7239



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.



58.9537, 54.0621, 101.9356



53.2447, 46.9399, 100.8617



68.9501, 59.2154, 102.4034



17.3422, 17.5526, 22.7239



10.2400, 4.1894, 49.7035



1.0806, 0.4510, 4.8434



# Inverse Universe

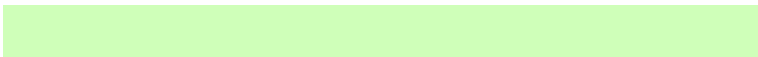
The Inverse Universe completely reimagines the original color for something new.



74.4672, 62.3106, 91.3225



71.2323, 56.5123, 88.1741



70.2969, 88.3128, 59.2422



18.6278, 18.2344, 21.9231



27.2987, 13.4088, 31.2870

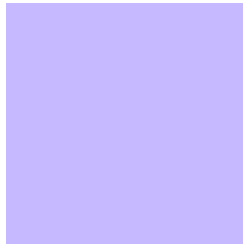


2.6957, 1.3206, 3.2449



# Previews

## White Background



This preview shows how the XYZ color 58.9521, 54.0600, 101.9353 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

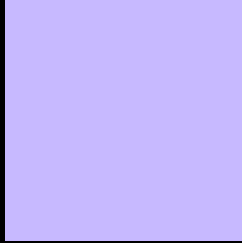
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.9521, 54.0600, 101.9353 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

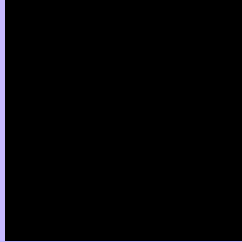
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 58.9521, 54.0600, 101.9353

## Background



This preview shows how black text looks on a background with the XYZ color 58.9521, 54.0600, 101.9353.



This preview shows how white text looks on a background with the XYZ color 58.9521, 54.0600,



# 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

58.9521, 54.0600, 101.9353

### Protanopia

55.0311, 54.2664, 102.1818

### Deuteranopia

55.5763, 54.2411, 101.3063



## Tritanopia

52.2863, 54.2634, 68.0397

# Trichromacy



## Original Color

58.9521, 54.0600, 101.9353

## Protanomaly

56.2552, 53.9295, 102.0522

## Deuteranomaly

56.8260, 54.2423, 101.2407

## Tritanomaly

54.6064, 54.2219, 79.5393

# Monochromacy



## Original Color

58.9521, 54.0600, 101.9353

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

55.0136, 55.2077, 74.0863

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9521, 54.0600, 101.9353 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(199, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 185, 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(199, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 185, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9521, 54.0600, 101.9353 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(199, 185, 255) }
```



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

```
.border{ border-color:rgb(199, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 185,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9521, 54.0600, 101.9353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 185, 255) }
```

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

```
.background{ background-color: rgb(199,  
185, 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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