

# Converting Colors

XYZ(60.0380, 57.6699, 97.2386)

Have a look what the booklet for  
XYZ(60.0380, 57.6699, 97.2386)  
contains.

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# Color

**XYZ(59.9439, 57.5652,  
97.5744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7C2F9
RGB	199, 194, 249
RGB Percent	78%, 76%, 98%
CMY	0.2196, 0.2392, 0.0235
CMYK	0.20, 0.22, 0.00, 0.02
HSL	245°, 82%, 87%
HSV	245°, 22%, 98%
XYZ	59.9439, 57.5652, 97.5744
YIQ	201.7650, -14.6750, 18.1650

# Conversions

## Conversions Part 2

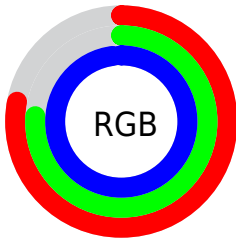
Format	Color
R <sub>Y</sub> B	199, 194, 249
Decimal	13091577
CIE Lab	80.50, 12.85, -26.45
CIE LCh	80, 29.405, 295.915
Yxy	57.5652, 0.2787, 0.2676
Android (android.graphics.Color)	4291281657 (0xFFC7C2F9)
YUV	201.7650, 23.2869, -2.4249
Hunter-Lab	75.8717, 8.2518, -23.1393

# Details

The XYZ color **59.9439, 57.5652, 97.5744** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.9232, 90.8809, 64.3180**, and the grayscale version is **55.8602, 58.7693, 63.9998**.

A 20% lighter version of the original color is **93.4756, 96.8512, 108.3752**, and **30.3941, 28.4912, 53.7666** is the 20% darker color. If you saturate the color by 10%, you get **49.2938, 44.5271, 95.6201**, and if you desaturate by 10%, it is **72.4196, 72.9255, 99.8826**.

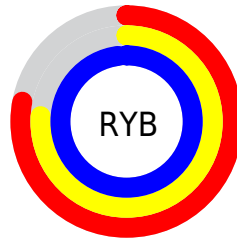
# Distribution



Red (78%)

Green (76%)

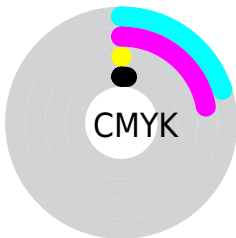
Blue (98%)



Red (78%)

Yellow (76%)

Blue (98%)

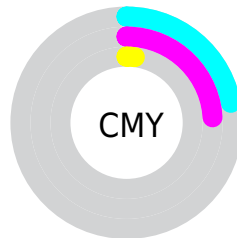


Cyan (20%)

Magenta (22%)

Yellow (0%)

Black (2%)



Cyan (22%)

Magenta (24%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9439, 57.5652, 97.5744 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 59.9439, 57.5652, 97.5744 by changing the saturation by 10% instead.



■ 59.9439, 57.5652,  
97.5744

■ 59.9439, 57.5652,  
97.5744

414.2290,  
415.5638, 573.5677

■ 43.6227, 41.4592,  
73.6708

■ 103.8551,  
101.2894, 159.8425

■ 30.5706, 28.6781,  
54.0295

132.1758,  
129.6764, 199.0441

■ 20.4223, 18.8374,  
38.2319

165.2271,  
162.9259, 244.1822

■ 12.8125, 11.5529,  
25.8595

203.3742,  
201.4222, 295.6752

■ 7.3756, 6.4400,  
16.4937

246.9826,  
245.5497, 353.9417

■ 3.7465, 3.1144,  
9.7161

296.4177,

■ 1.5598, 1.1918,

295.6929, 419.4003

5.1080

352.0447,  
352.2362, 492.4695

■ 0.3660, 0.0550,  
2.2509

■ 0.0000, 0.0000,  
0.7035

■ 59.9439, 57.5652,  
97.5744

■ 59.9439, 57.5652,  
97.5744

■ 49.2938, 44.5271,  
95.6201

■ 72.4196, 72.9255,  
99.8826

■ 40.3782, 33.6914,  
93.9985

■ 86.7952, 90.7059,  
102.5569

■ 33.1065, 24.9384,  
92.6922

■ 94.0991, 99.6196,  
103.8925

■ 27.3776, 18.1338,  
91.6807

■ 23.0794, 13.1279,  
90.9411

■ 20.0839, 9.7490,  
90.4467

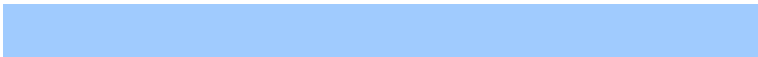
■ 18.2404, 7.7916,  
90.1661

■ 17.4441, 7.0175,  
90.0586

# Harmonies

## Analogous

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



53.8916, 57.5652, 102.0157



59.9439, 57.5652, 97.5744



64.8985, 57.5652, 83.2093

# Triad

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



59.9439, 57.5652, 97.5744



61.4783, 57.5652, 38.9865



43.9362, 57.5652, 60.3411

# Complementary

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



59.9439, 57.5652, 97.5744



80.9232, 90.8809, 64.3180

# 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.



45.6549, 57.5652, 45.8377



59.9439, 57.5652, 97.5744



55.5447, 57.5652, 35.0298

# Square

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



59.9439, 57.5652, 97.5744



65.8292, 57.5652, 49.2471



49.7975, 57.5652, 37.2868



44.9262, 57.5652, 78.3542



# Rectangle

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



59.9439, 57.5652, 97.5744



66.7589, 57.5652, 71.1192



49.7975, 57.5652, 37.2868



44.2127, 57.5652, 54.9339

# Sweetspot

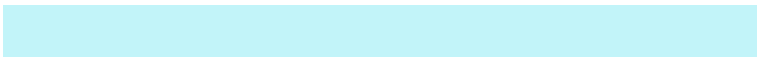
The Sweet Spot groups the original color and five complimentary colors.



59.9457, 57.5675, 97.5757



83.8975, 86.1864, 106.8215



71.8249, 83.2628, 101.9093



17.7618, 18.2055, 22.8278



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.



59.9457, 57.5675, 97.5757



57.4822, 53.6609, 101.9357



67.7827, 61.6076, 97.9425



16.4293, 16.7184, 21.7464



9.3867, 3.7817, 48.2088



0.9173, 0.3750, 4.4672



# Inverse Universe

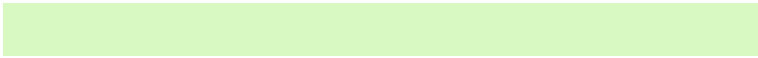
The Inverse Universe completely reimagines the original color for something new.



74.6896, 65.2572, 94.2492



75.8892, 63.2645, 97.6232



72.2055, 86.3867, 63.9100



17.9210, 17.4958, 21.4397



28.3150, 13.7417, 39.9628

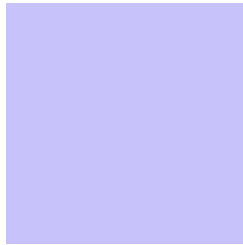


2.6418, 1.2804, 3.8030



# Previews

## White Background



This preview shows how the XYZ color 59.9439, 57.5652, 97.5744 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 59.9439, 57.5652, 97.5744 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 59.9439, 57.5652, 97.5744

## Background



This preview shows how black text looks on a background with the XYZ color 59.9439, 57.5652, 97.5744.



This preview shows how white text looks on a background with the XYZ color 59.9439, 57.5652,



# 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

59.9439, 57.5652, 97.5744

### Protanopia

58.0145, 57.8555, 100.2050

### Deuteranopia

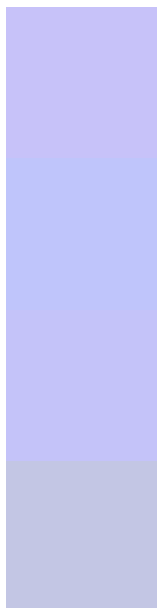
59.0869, 57.7887, 97.6627



## Tritanopia

55.0413, 57.6039, 73.1834

# Trichromacy



## Original Color

59.9439, 57.5652, 97.5744

## Protanomaly

58.8647, 57.9739, 99.3544

## Deuteranomaly

59.3789, 57.6055, 97.6119

## Tritanomaly

56.7034, 57.5917, 81.5265

# Monochromacy



## Original Color

59.9439, 57.5652, 97.5744

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

57.2970, 58.3788, 75.2662

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9439, 57.5652, 97.5744 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, 194, 249)` looks like.

```
.text, #text, p{  
    color:rgb(199, 194, 249)  
}
```

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, 194, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 194, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9439, 57.5652, 97.5744 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, 194, 249) }
```



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

```
.border{ border-color:rgb(199, 194, 249) }
```

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

Here you see how a box with a 4 pixel rgb(199, 194, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 194, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 194, 249);  
box-shadow:4px 4px 4px 4px rgb(199, 194,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9439, 57.5652, 97.5744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 194, 249) }
```

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

```
.background{ background-color: rgb(199,  
194, 249) }
```

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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