

# Converting Colors

XYZ(58.9455, 57.5232, 91.2154)

Have a look what the booklet for  
XYZ(58.9455, 57.5232, 91.2154)  
contains.

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# Color

**XYZ(58.9455, 57.5232,  
91.2154)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7C3F1
RGB	199, 195, 241
RGB Percent	78%, 76%, 95%
CMY	0.2196, 0.2353, 0.0549
CMYK	0.17, 0.19, 0.00, 0.05
HSL	245°, 62%, 85%
HSV	245°, 19%, 95%
XYZ	58.9455, 57.5232, 91.2154
YIQ	201.4400, -12.3820, 15.1540

# Conversions

## Conversions Part 2

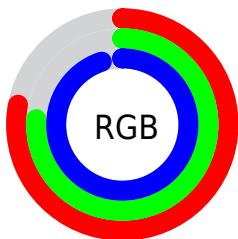
Format	Color
<a href="#">RYB</a>	<a href="#">199, 195, 241</a>
Decimal	<a href="#">13091825</a>
CIELab	<a href="#">80.47, 10.56, -22.21</a>
CIELCh	<a href="#">80, 24.588, 295.431</a>
Yxy	<a href="#">57.5232, 0.2838, 0.2770</a>
Android (android.graphics.Color)	<a href="#">4291281905</a> ( <a href="#">0xFFC7C3F1</a> )
YUV	<a href="#">201.4400, 19.5031, -2.1399</a>
Hunter-Lab	<a href="#">75.8441, 6.0019, -18.2155</a>

# Details

The XYZ color **58.9455, 57.5232, 91.2154** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.2325, 84.8566, 63.9934**, and the grayscale version is **55.6800, 58.5797, 63.7933**.

A 20% lighter version of the original color is **94.1004, 98.1008, 108.5835**, and **29.9589, 28.5723, 49.8349** is the 20% darker color. If you saturate the color by 10%, you get **48.5530, 44.7874, 89.3058**, and if you desaturate by 10%, it is **71.0573, 72.4419, 93.4576**.

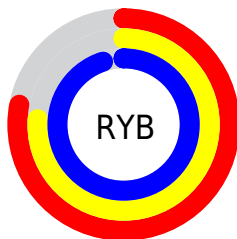
# Distribution



Red (78%)

Green (76%)

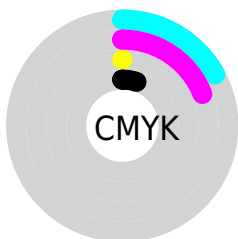
Blue (95%)



Red (78%)

Yellow (76%)

Blue (95%)

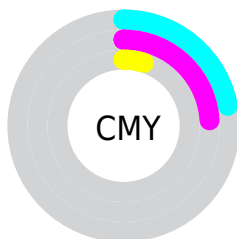


Cyan (17%)

Magenta (19%)

Yellow (0%)

Black (5%)



Cyan (22%)

Magenta (24%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9455, 57.5232, 91.2154 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 58.9455, 57.5232, 91.2154 by changing the saturation by 10% instead.



■ 58.9455, 57.5232,  
91.2154

■ 58.9455, 57.5232,  
91.2154

410.5972,  
415.4069, 552.6484

■ 42.8154, 41.4254,  
68.4098

■ 102.4135,  
101.2282, 150.9757

■ 29.9342, 28.6517,  
49.7624

130.4822,  
129.6042, 188.7675

■ 19.9365, 18.8175,  
34.8548

163.2612,  
162.8418, 232.3917

■ 12.4569, 11.5385,  
23.2684

201.1157,  
201.3254, 282.2669

■ 7.1300, 6.4302,  
14.5846

244.4113,  
245.4393, 338.8116

■ 3.5906, 3.1084,  
8.3850

293.5131,

■ 1.4732, 1.1886,

295.5679, 402.4444

4.2510

348.7866,  
352.0956, 473.5838

■ 0.3075, 0.0524,  
1.7640

■ 0.0000, 0.0000,  
0.4041

■ 58.9455, 57.5232,  
91.2154

■ 58.9455, 57.5232,  
91.2154

■ 48.5530, 44.7874,  
89.3058

■ 71.0573, 72.4419,  
93.4576

■ 39.7967, 34.1253,  
87.7093

■ 84.9559, 89.6316,  
96.0430

■ 32.5944, 25.4290,  
86.4104

■ 92.8774, 99.1309,  
97.4590

■ 26.8550, 18.5781,  
85.3905

■ 22.4775, 13.4387,  
84.6292

■ 19.3481, 9.8591,  
84.1032

■ 17.3342, 7.6604,  
83.7850

■ 16.2537, 6.5805,  
83.6335

■ 16.1855, 6.5098,  
83.6235

# Harmonies

## Analogous

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



53.9051, 57.5232, 94.6010



58.9455, 57.5232, 91.2154



63.0554, 57.5232, 79.7519

# Triad

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



58.9455, 57.5232, 91.2154



60.3637, 57.5232, 42.4322



45.5650, 57.5232, 60.4463

# Complementary

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



58.9455, 57.5232, 91.2154



76.2325, 84.8566, 63.9934

# 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.



47.0704, 57.5232, 48.1578



58.9455, 57.5232, 91.2154



55.4503, 57.5232, 38.8248

# Square

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



58.9455, 57.5232, 91.2154



63.9089, 57.5232, 51.4465



50.6142, 57.5232, 40.7482



46.3747, 57.5232, 75.3338



# Rectangle

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



58.9455, 57.5232, 91.2154



64.6082, 57.5232, 69.8830



50.6142, 57.5232, 40.7482



45.8143, 57.5232, 55.9026

# Sweetspot

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



58.9473, 57.5256, 91.2167



85.4077, 88.0697, 107.1054



68.7170, 78.6194, 94.7733



18.0658, 18.5849, 22.8850



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.



58.9473, 57.5256, 91.2167



62.0770, 59.3376, 102.7892



65.4674, 60.8868, 91.5218



15.0246, 15.2944, 19.8818



8.8228, 3.5537, 45.3488



0.7773, 0.3180, 3.7746



# Inverse Universe

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



71.0786, 63.8477, 88.7006



78.2989, 67.7939, 99.3206



69.0876, 81.1733, 63.6590



16.3915, 16.0063, 19.6180



26.7059, 12.9548, 37.9635

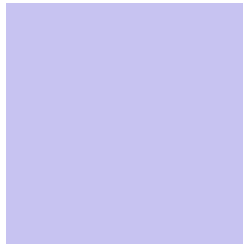


2.2390, 1.0846, 3.2492



# Previews

## White Background



This preview shows how the XYZ color 58.9455, 57.5232, 91.2154 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

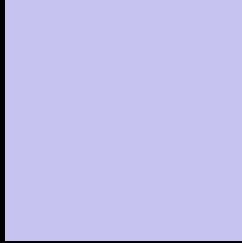
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.9455, 57.5232, 91.2154 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

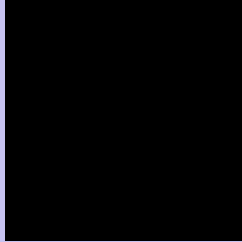
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 58.9455, 57.5232, 91.2154

## Background



This preview shows how black text looks on a background with the XYZ color 58.9455, 57.5232, 91.2154.



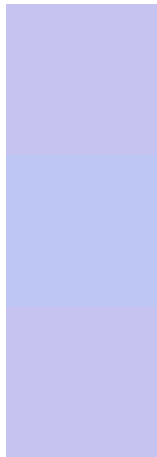
This preview shows how white text looks on a background with the XYZ color 58.9455, 57.5232,



# 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

58.9455, 57.5232, 91.2154

### Protanopia

57.6069, 57.8064, 92.9156

### Deuteranopia

58.6810, 57.3869, 91.2030



## Tritanopia

55.1682, 57.6842, 72.5165

# Trichromacy



## Original Color

58.9455, 57.5232, 91.2154

## Protanomaly

57.9856, 57.6808, 92.0817

## Deuteranomaly

58.6810, 57.3869, 91.2030

## Tritanomaly

56.4136, 57.5057, 78.6474

# Monochromacy



## Original Color

58.9455, 57.5232, 91.2154

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

56.6375, 58.0841, 73.1920

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9455, 57.5232, 91.2154 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, 195, 241)` looks like.

```
.text, #text, p{  
    color:rgb(199, 195, 241)  
}
```

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, 195, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 195, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9455, 57.5232, 91.2154 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, 195, 241) }
```



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

```
.border{ border-color:rgb(199, 195, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 195, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 195, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 195, 241);  
box-shadow:4px 4px 4px 4px rgb(199, 195,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9455, 57.5232, 91.2154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 195, 241) }
```

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

```
.background{ background-color: rgb(199,  
195, 241) }
```

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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