

# Converting Colors

XYZ(57.8900, 56.0753, 91.1718)

Have a look what the booklet for  
XYZ(57.8900, 56.0753, 91.1718)  
contains.

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# Color

**XYZ(57.7528, 55.9205,  
90.9689)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5C0F1
RGB	197, 192, 241
RGB Percent	77%, 75%, 95%
CMY	0.2274, 0.2470, 0.0549
CMYK	0.18, 0.20, 0.00, 0.05
HSL	246°, 64%, 85%
HSV	246°, 20%, 95%
XYZ	57.7528, 55.9205, 90.9689
YIQ	199.0810, -12.7490, 16.2990

# Conversions

## Conversions Part 2

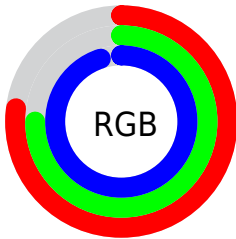
Format	Color
<a href="#">RYB</a>	<a href="#">197, 192, 241</a>
Decimal	<a href="#">12959985</a>
CIELab	<a href="#">79.57, 11.56, -23.59</a>
CIELCh	<a href="#">80, 26.275, 296.105</a>
Yxy	<a href="#">55.9205, 0.2822, 0.2733</a>
Android (android.graphics.Color)	<a href="#">4291150065 (0xFFC5C0F1)</a>
YUV	<a href="#">199.0810, 20.6661, -1.8250</a>
Hunter-Lab	<a href="#">74.7800, 6.9910, -19.7795</a>

# Details

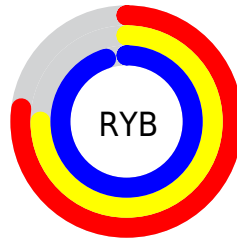
The XYZ color **57.7528, 55.9205, 90.9689** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.5636, 84.5506, 62.2090**, and the grayscale version is **54.2203, 57.0440, 62.1209**.

A 20% lighter version of the original color is **92.4905, 95.4256, 108.1520**, and **29.3173, 27.8077, 49.7212** is the 20% darker color. If you saturate the color by 10%, you get **47.6226, 43.4766, 89.1018**, and if you desaturate by 10%, it is **69.5665, 70.5212, 93.1654**.

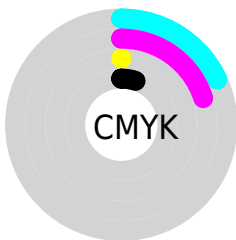
# Distribution



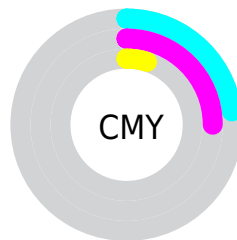
- Red (77%)
- Green (75%)
- Blue (95%)



- Red (77%)
- Yellow (75%)
- Blue (95%)



- Cyan (18%)
- Magenta (20%)
- Yellow (0%)
- Black (5%)



- Cyan (23%)
- Magenta (25%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7528, 55.9205, 90.9689 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 57.7528, 55.9205, 90.9689 by changing the saturation by 10% instead.



■ 57.7528, 55.9205,  
90.9689

■ 57.7528, 55.9205,  
90.9689

406.2329,  
409.3918, 551.8288

■ 41.8524, 40.1392,  
68.2063

■ 100.6878, 98.8883,  
150.6308

■ 29.1764, 27.6471,  
49.5978

128.4532,  
126.8436, 188.3671

■ 19.3592, 18.0598,  
34.7250

160.9043,  
159.6257, 231.9318

■ 12.0357, 10.9929,  
23.1693

198.4065,  
197.6190, 281.7433

■ 6.8404, 6.0621,  
14.5121

241.3250,  
241.2079, 338.2202

■ 3.4079, 2.8829,  
8.3349

290.0254,

■ 1.3730, 1.0709,

290.7767, 401.7811

4.2191

344.8729,  
346.7099, 472.8445

■ 0.2368, 0.0000,  
1.7463

■ 0.0000, 0.0000,  
0.3922

■ 57.7528, 55.9205,  
90.9689

■ 57.7528, 55.9205,  
90.9689

■ 47.6226, 43.4766,  
89.1018

■ 69.5665, 70.5212,  
93.1654

■ 39.0940, 33.0807,  
87.5447

■ 83.1300, 87.3670,  
95.7021

■ 32.0861, 24.6246,  
86.2819

■ 92.8774, 99.1309,  
97.4590

■ 26.5090, 17.9876,  
85.2948

■ 22.2629, 13.0354,  
84.5627

■ 19.2353, 9.6151,  
84.0621

■ 17.2946, 7.5454,  
83.7649

■ 16.2681, 6.5524,  
83.6273

# Harmonies

## Analogous

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



52.4629, 55.9205, 94.8173



57.7528, 55.9205, 90.9689



62.0479, 55.9205, 78.6192

# Triad

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



57.7528, 55.9205, 90.9689



59.0268, 55.9205, 39.7690



43.6356, 55.9205, 58.9306

# Complementary

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



57.7528, 55.9205, 90.9689



75.5636, 84.5506, 62.2090

# 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.



45.1476, 55.9205, 46.0457



57.7528, 55.9205, 90.9689



53.8446, 55.9205, 36.2054

# Square

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



57.7528, 55.9205, 90.9689



62.8170, 55.9205, 48.9494



48.7999, 55.9205, 38.2980



44.5307, 55.9205, 74.6251



# Rectangle

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



57.7528, 55.9205, 90.9689



63.6477, 55.9205, 68.1541



48.7999, 55.9205, 38.2980



43.8764, 55.9205, 54.1574

# Sweetspot

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



57.7546, 55.9228, 90.9702



85.4865, 88.1104, 107.1091



67.6414, 77.6073, 94.6346



18.0843, 18.5945, 22.8859



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.



57.7546, 55.9228, 90.9702



61.1282, 57.9999, 102.5810



64.6694, 59.4875, 91.2938



15.0469, 15.3059, 19.8829



8.8731, 3.5797, 45.3512



0.7879, 0.3234, 3.7751



# Inverse Universe

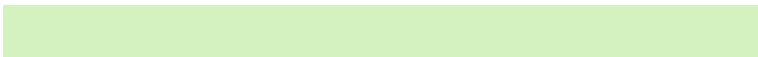
The Inverse Universe completely reimagines the original color for something new.



70.2674, 62.4585, 87.7114



77.5483, 66.5790, 98.1877



68.0076, 80.6554, 61.8554



16.3807, 16.0020, 19.5610



26.4513, 12.8529, 36.6225

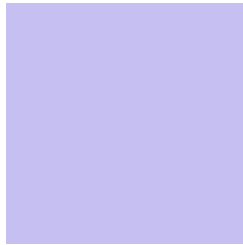


2.2204, 1.0772, 3.1514



# Previews

## White Background



This preview shows how the XYZ color 57.7528, 55.9205, 90.9689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

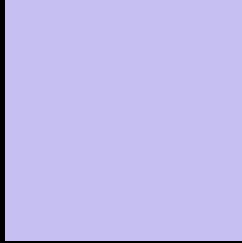
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.7528, 55.9205, 90.9689 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

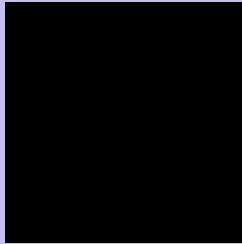
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.7528, 55.9205, 90.9689**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.7528, 55.9205, 90.9689.



This preview shows how white text looks on a background with the XYZ color 57.7528, 55.9205,



# 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

57.7528, 55.9205, 90.9689

### Protanopia

55.9425, 55.9404, 92.6431

### Deuteranopia

57.1953, 55.9601, 91.0060



## Tritanopia

53.7147, 55.9431, 70.9178

# Trichromacy



## Original Color

57.7528, 55.9205, 90.9689

## Protanomaly

56.5540, 55.9415, 91.8215

## Deuteranomaly

57.4528, 56.0929, 91.0180

## Tritanomaly

55.0825, 55.8273, 77.6846

# Monochromacy



## Original Color

57.7528, 55.9205, 90.9689

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

55.1662, 56.3407, 71.5856

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7528, 55.9205, 90.9689 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(197, 192, 241)` looks like.

```
.text, #text, p{  
    color:rgb(197, 192, 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(197, 192, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 192, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7528, 55.9205, 90.9689 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".

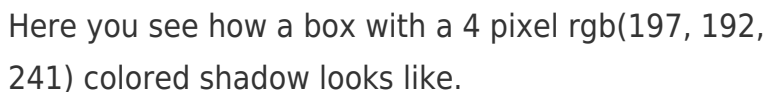
```
.border, #border, table{ border:4px solid rgb(197, 192, 241) }
```



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

```
.border{ border-color:rgb(197, 192, 241) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 192, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 192, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 192, 241); box-shadow:4px 4px 4px 4px rgb(197, 192, 241) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7528, 55.9205, 90.9689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 192, 241) }
```

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

```
.background{ background-color: rgb(197,  
192, 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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