

# Converting Colors

XYZ(35.7918, 30.3435, 57.3965)

Have a look what the booklet for  
XYZ(35.7918, 30.3435, 57.3965)  
contains.

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# Color

**XYZ(35.7918, 30.3435,  
57.3965)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB88C6
RGB	171, 136, 198
RGB Percent	67%, 53%, 78%
CMY	0.3294, 0.4667, 0.2235
CMYK	0.14, 0.31, 0.00, 0.22
HSL	274°, 35%, 65%
HSV	274°, 31%, 78%
XYZ	35.7918, 30.3435, 57.3965
YIQ	153.5330, 0.9580, 26.7020

# Conversions

## Conversions Part 2

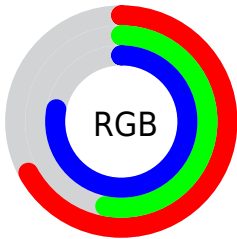
Format	Color
<a href="#">RYB</a>	<a href="#">171, 136, 198</a>
Decimal	<a href="#">11241670</a>
CIELab	<a href="#">61.95, 25.08, -27.17</a>
CIElCh	<a href="#">62, 36.970, 312.709</a>
Yxy	<a href="#">30.3435, 0.2897, 0.2456</a>
Android (android.graphics.Color)	<a href="#">4289431750 (0xFFAB88C6)</a>
YUV	<a href="#">153.5330, 21.9222, 15.3186</a>
Hunter-Lab	<a href="#">55.0849, 19.5829, -23.2186</a>

# Details

The XYZ color **35.7918, 30.3435, 57.3965** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.7433, 49.9530, 30.8412**, and the grayscale version is **30.4185, 32.0027, 34.8509**.

A 20% lighter version of the original color is **68.1420, 60.3778, 102.6704**, and **15.8330, 12.5207, 27.9678** is the 20% darker color. If you saturate the color by 10%, you get **31.4395, 24.3362, 56.4668**, and if you desaturate by 10%, it is **40.7838, 37.4467, 58.5049**.

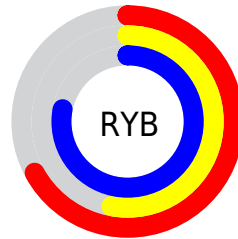
# Distribution



Red (67%)

Green (53%)

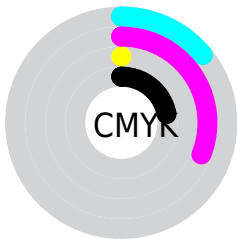
Blue (78%)



Red (67%)

Yellow (53%)

Blue (78%)

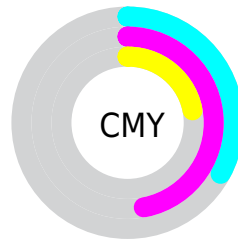


Cyan (14%)

Magenta (31%)

Yellow (0%)

Black (22%)



Cyan (33%)

Magenta (47%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7918, 30.3435, 57.3965 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 35.7918, 30.3435, 57.3965 by changing the saturation by 10% instead.





 35.7918, 30.3435,  
57.3965


 35.7918, 30.3435,  
57.3965

319.4968,  
303.5023, 432.4687


 24.4428, 20.0995,  
40.9122


 68.0366, 60.2050,  
102.5496

 15.7889, 12.4674,  
27.9313


 89.6631, 80.5912,  
132.0554

 9.4648, 7.0628,  
18.0353


 115.4461,  
105.1270, 166.7388

 5.1051, 3.5014,  
10.8056

145.7510,  
134.1966, 207.0184

 2.3445, 1.3988,  
5.8238

180.9432,  
168.1846, 253.3126

 0.8173, 0.2158,  
2.6712

221.3880,

 0.0000, 0.0000,

207.4753, 306.0400

0.9289

267.4507,  
252.4530, 365.6192

■ 0.0000, 0.0000,  
0.0000

■ 35.7918, 30.3435,  
57.3965

■ 35.7918, 30.3435,  
57.3965

■ 31.4395, 24.3362,  
56.4668

■ 40.7838, 37.4467,  
58.5049

■ 27.6930, 19.3630,  
55.7044

■ 46.4409, 45.6956,  
59.7990

■ 24.5200, 15.3616,  
55.0993

■ 52.7908, 55.1415,  
61.2875

■ 21.8831, 12.2612,  
54.6398

■ 59.8585, 65.8314,  
62.9784

■ 19.7401, 9.9811,  
54.3127

■ 67.6679, 77.8098,  
64.8788

■ 18.0410, 8.4252,  
54.1019

■ 76.2414, 91.1188,  
66.9959

■ 16.8465, 7.5072,  
53.9877

■ 79.0247, 92.6463,  
67.1440

■ 81.8827, 94.1196,  
67.2778

■ 84.8798, 95.6647,  
67.4180

# Harmonies

## Analogous

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



30.9861, 30.3435, 67.4120



35.7918, 30.3435, 57.3965



38.9190, 30.3435, 41.8238

# Triad

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



35.7918, 30.3435, 57.3965



31.7639, 30.3435, 13.2448



20.5147, 30.3435, 39.4073

# Complementary

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



35.7918, 30.3435, 57.3965



39.7433, 49.9530, 30.8412

# 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.



20.6721, 30.3435, 25.5793



35.7918, 30.3435, 57.3965



26.7965, 30.3435, 12.9404

# Square

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



35.7918, 30.3435, 57.3965



36.4171, 30.3435, 17.7816



22.8532, 30.3435, 16.7809



22.3953, 30.3435, 55.1972



# Rectangle

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



35.7918, 30.3435, 57.3965



39.4337, 30.3435, 31.7672



22.8532, 30.3435, 16.7809



20.3379, 30.3435, 34.3441

# Sweetspot

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



35.7928, 30.3448, 57.3972



84.5788, 84.3749, 106.4359



33.6051, 35.8278, 58.5708



17.7620, 17.5553, 22.7023



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.



35.7928, 30.3448, 57.3972



57.6769, 45.8243, 100.4128



41.9327, 33.5509, 55.8369



10.6200, 10.5779, 13.3995



11.0553, 4.9334, 35.1139



0.6055, 0.2759, 1.6665



# Inverse Universe

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



38.7047, 32.2597, 38.8384



63.9442, 49.9320, 61.0944



35.0160, 47.4902, 31.7868



10.8225, 10.7124, 12.0484



16.2849, 8.2635, 6.7100



0.8073, 0.4058, 0.5084



# Previews

## White Background



This preview shows how the XYZ color 35.7918, 30.3435, 57.3965 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

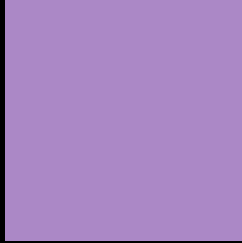
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.7918, 30.3435, 57.3965 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 35.7918, 30.3435, 57.3965**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.7918, 30.3435, 57.3965.



This preview shows how white text looks on a background with the XYZ color 35.7918, 30.3435,



# 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

35.7918, 30.3435, 57.3965

### Protanopia

31.3681, 30.5903, 63.2827

### Deuteranopia

31.2127, 30.4284, 56.4527



## Tritanopia

31.2839, 30.2393, 35.6404

# Trichromacy



## Original Color

35.7918, 30.3435, 57.3965

## Protanomaly

32.7264, 30.4171, 61.2730

## Deuteranomaly

32.6630, 30.2554, 56.9417

## Tritanomaly

32.8119, 30.2055, 42.6289

# Monochromacy



## Original Color

35.7918, 30.3435, 57.3965

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

32.1866, 31.2433, 42.3644

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.7918, 30.3435, 57.3965 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(171, 136, 198)` looks like.

```
.text, #text, p{  
    color:rgb(171, 136, 198)  
}
```

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(171, 136, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 136, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 35.7918, 30.3435, 57.3965 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(171, 136, 198) }
```



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

```
.border{ border-color:rgb(171, 136, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 136, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 136, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 136, 198); box-shadow:4px 4px 4px 4px rgb(171, 136, 198) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.7918, 30.3435, 57.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 136, 198) }
```

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

```
.background{ background-color: rgb(171,  
136, 198) }
```

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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