

# Converting Colors

XYZ(44.2292, 37.5779, 58.3482)

Have a look what the booklet for  
XYZ(44.2292, 37.5779, 58.3482)  
contains.

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# Color

**XYZ(44.2292, 37.5779,  
58.3482)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C695C6
RGB	198, 149, 198
RGB Percent	78%, 58%, 78%
CMY	0.2235, 0.4157, 0.2235
CMYK	0.00, 0.25, 0.00, 0.22
HSL	300°, 30%, 68%
HSV	300°, 25%, 78%
XYZ	44.2292, 37.5779, 58.3482
YIQ	169.2370, 13.4750, 25.6270

# Conversions

## Conversions Part 2

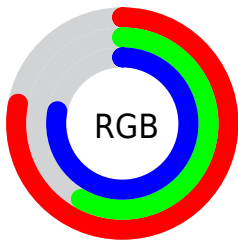
Format	Color
R <sub>Y</sub> B	198, 149, 198
Decimal	13014470
CIE <sub>Lab</sub>	67.71, 26.65, -18.13
CIE <sub>LCh</sub>	68, 32.228, 325.778
Yxy	37.5779, 0.3156, 0.2681
Android (android.graphics.Color)	4291204550 (0xFFC695C6)
YUV	169.2370, 14.1802, 25.2252
Hunter-Lab	61.3008, 21.5132, -13.5237

# Details

The XYZ color **44.2292, 37.5779, 58.3482** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.0149, 48.9488, 35.8803**, and the grayscale version is **37.7577, 39.7240, 43.2595**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **20.9033, 16.6783, 28.5031** is the 20% darker color. If you saturate the color by 10%, you get **41.3594, 31.8376, 57.3919**, and if you desaturate by 10%, it is **47.6339, 44.3865, 59.4836**.

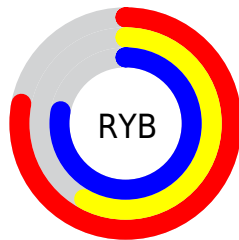
# Distribution



Red (78%)

Green (58%)

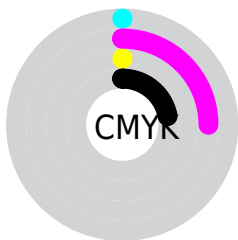
Blue (78%)



Red (78%)

Yellow (58%)

Blue (78%)

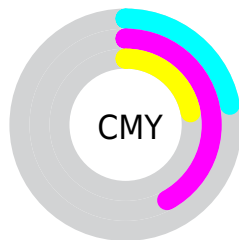


Cyan (0%)

Magenta (25%)

Yellow (0%)

Black (22%)



Cyan (22%)

Magenta (42%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2292, 37.5779, 58.3482 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 44.2292, 37.5779, 58.3482 by changing the saturation by 10% instead.





 44.2292, 37.5779,  
58.3482


 44.2292, 37.5779,  
58.3482


354.4792,  
335.8058, 436.1166

 31.0494, 25.6552,  
41.6721


 80.8067, 71.4607,  
103.9495

 20.7885, 16.5659,  
28.5210


 104.9352, 94.1897,  
133.7118

 13.0811, 9.9255,  
18.4763


133.4439,  
121.2895, 168.6733

 7.5618, 5.3496,  
11.1195

166.6983,  
153.1446, 209.2524

 3.8653, 2.4538,  
6.0321

205.0637,  
190.1394, 255.8678

 1.6262, 0.8534,  
2.7955

248.9054,

 0.4094, 0.0000,

232.6583, 308.9379

0.9912

298.5888,  
281.0856, 368.8813

■ 0.0000, 0.0000,  
0.0000

■ 44.2292, 37.5779,  
58.3482

■ 44.2292, 37.5779,  
58.3482

■ 41.3594, 31.8376,  
57.3919

■ 47.6339, 44.3865,  
59.4836

■ 38.9940, 27.1069,  
56.6034

■ 51.5949, 52.3086,  
60.8041

■ 37.1050, 23.3289,  
55.9736

■ 56.1370, 61.3927,  
62.3182

■ 35.6600, 20.4390,  
55.4919

■ 61.2821, 71.6830,  
64.0333

■ 34.6229, 18.3647,  
55.1460

■ 67.0513, 83.2213,  
65.9565

■ 33.9515, 17.0221,  
54.9222

■ 69.2423, 87.6032,  
66.6869

■ 33.5950, 16.3090,  
54.8032

■ 69.2423, 87.6033,  
66.6870

■ 33.4820, 16.0831,  
54.7655

■ 69.2423, 87.6033,  
66.6871

■ 69.2424, 87.6033,  
66.6872

# Harmonies

## Analogous

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



40.0426, 37.5779, 70.8938



44.2292, 37.5779, 58.3482



46.1369, 37.5779, 42.9672

# Triad

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



44.2292, 37.5779, 58.3482



36.4259, 37.5779, 19.2161



27.7730, 37.5779, 54.0311

# Complementary

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



44.2292, 37.5779, 58.3482



38.0149, 48.9488, 35.8803

# 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.



26.9969, 37.5779, 38.9310



44.2292, 37.5779, 58.3482



31.7141, 37.5779, 20.8642

# Square

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



44.2292, 37.5779, 58.3482



41.3742, 37.5779, 22.1789



28.3731, 37.5779, 27.3555



30.6000, 37.5779, 68.0224



# Rectangle

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



44.2292, 37.5779, 58.3482



45.7411, 37.5779, 33.9063



28.3731, 37.5779, 27.3555



27.2755, 37.5779, 48.8306

# Sweetspot

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



44.2304, 37.5795, 58.3490



89.6176, 89.1353, 107.0891



33.3366, 31.9636, 57.8394



19.0868, 18.8885, 22.8898



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.



44.2304, 37.5795, 58.3490



75.3100, 60.5201, 102.3195



41.6288, 36.5389, 44.6494



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6149



1.0310, 0.4952, 1.6864



# Inverse Universe

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



44.2304, 37.5795, 58.3490



75.3100, 60.5201, 102.3195



40.1812, 49.8154, 47.2884



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6149



1.0310, 0.4952, 1.6864



# Previews

## White Background



This preview shows how the XYZ color 44.2292, 37.5779, 58.3482 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

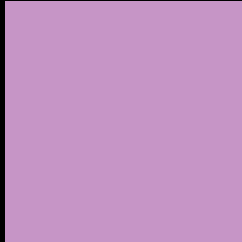
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.2292, 37.5779, 58.3482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

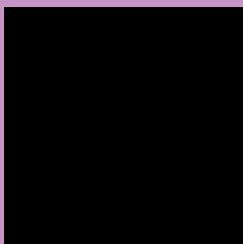
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.2292, 37.5779, 58.3482**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.2292, 37.5779, 58.3482.



This preview shows how white text looks on a background with the XYZ color 44.2292, 37.5779,



# 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

44.2292, 37.5779, 58.3482

### Protanopia

37.8088, 37.6185, 64.9429

### Deuteranopia

38.4346, 37.5823, 57.4529



## Tritanopia

40.9445, 37.7020, 41.6784

# Trichromacy



## Original Color

44.2292, 37.5779, 58.3482

## Protanomaly

39.7035, 37.3594, 62.2452

## Deuteranomaly

40.4951, 37.6101, 57.9485

## Tritanomaly

41.9328, 37.5989, 47.1667

# Monochromacy



## Original Color

44.2292, 37.5779, 58.3482

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

39.9809, 38.8392, 48.5695

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.2292, 37.5779, 58.3482 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(198, 149, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 149, 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(198, 149, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 149, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 44.2292, 37.5779, 58.3482 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(198, 149, 198) }
```



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

```
.border{ border-color:rgb(198, 149, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 149, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 149, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 149, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 149,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.2292, 37.5779, 58.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 149, 198) }
```

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

```
.background{ background-color: rgb(198,  
149, 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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