

# Converting Colors

XYZ(42.5050, 36.9522, 48.1569)

Have a look what the booklet for  
XYZ(42.5050, 36.9522, 48.1569)  
contains.

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# Color

**XYZ(42.5389, 36.9323,  
48.0666)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C795B4
RGB	199, 149, 180
RGB Percent	78%, 58%, 71%
CMY	0.2196, 0.4157, 0.2941
CMYK	0.00, 0.25, 0.10, 0.22
HSL	323°, 31%, 68%
HSV	323°, 25%, 78%
XYZ	42.5389, 36.9323, 48.0666
YIQ	167.4840, 19.8490, 20.2410

# Conversions

## Conversions Part 2

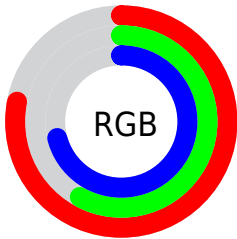
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 149, 180
Decimal	13079988
CIE <sub>Lab</sub>	67.23, 23.73, -8.79
CIE <sub>LCh</sub>	67, 25.303, 339.668
Yxy	36.9323, 0.3335, 0.2896
Android (android.graphics.Color)	4291270068 (0xFFC795B4)
YUV	167.4840, 6.1704, 27.6395
Hunter-Lab	60.7720, 18.5948, -4.3541

# Details

The XYZ color **42.5389, 36.9323, 48.0666** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.8873, 50.0647, 44.6093**, and the grayscale version is **36.9316, 38.8550, 42.3131**.

A 20% lighter version of the original color is **77.7363, 70.0280, 88.7765**, and **19.7000, 16.1970, 22.1667** is the 20% darker color. If you saturate the color by 10%, you get **38.9061, 30.8658, 43.1579**, and if you desaturate by 10%, it is **46.7539, 44.0948, 53.3776**.

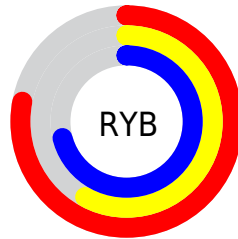
# Distribution



Red (78%)

Green (58%)

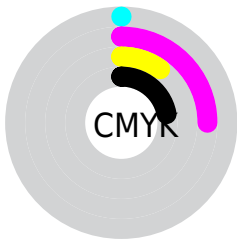
Blue (71%)



Red (78%)

Yellow (58%)

Blue (71%)

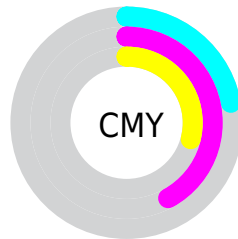


Cyan (0%)

Magenta (25%)

Yellow (10%)

Black (22%)



Cyan (22%)

Magenta (42%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5389, 36.9323, 48.0666 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 42.5389, 36.9323, 48.0666 by changing the saturation by 10% instead.





 42.5389, 36.9323,  
48.0666


 42.5389, 36.9323,  
48.0666

347.6658,  
333.0173, 395.5724

 29.7164, 25.1551,  
33.5193


 78.2746, 70.4687,  
88.6701

 19.7705, 16.1926,  
22.2502


 101.9186, 92.9966,  
115.5634

 12.3356, 9.6606,  
13.8408

129.9005,  
119.8768, 147.4091

 7.0465, 5.1745,  
7.8725

162.5857,  
151.4939, 184.6257

 3.5378, 2.3500,  
3.9269

200.3394,  
188.2320, 227.6318

 1.4441, 0.8000,  
1.5853

243.5271,

 0.2873, 0.0000,

230.4757, 276.8459

0.2803

292.5141,  
278.6094, 332.6866

■ 0.0000, 0.0000,  
0.0000

■ 42.5389, 36.9323,  
48.0666

■ 42.5389, 36.9323,  
48.0666

■ 38.9061, 30.8658,  
43.1579

■ 46.7539, 44.0948,  
53.3776

■ 35.8242, 25.8353,  
38.6365

■ 51.5738, 52.3994,  
59.1005

■ 33.2638, 21.7828,  
34.4899

■ 57.0241, 61.8955,  
65.2473

■ 31.1915, 18.6424,  
30.7032

■ 63.1279, 72.6283,  
71.8287

■ 29.5696, 16.3399,  
27.2605

■ 69.9070, 84.6404,  
78.8550

■ 28.3546, 14.7896,  
24.1437

■ 72.9556, 89.1191,  
84.8606

■ 27.4936, 13.8869,  
21.3313

■ 74.0128, 89.5420,  
90.4280

■ 27.1521, 13.5817,  
20.0525

■ 75.1164, 89.9834,  
96.2393

■ 76.2668, 90.4436,  
102.2974

# Harmonies

## Analogous

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



40.0612, 36.9323, 58.9111



42.5389, 36.9323, 48.0666



42.9463, 36.9323, 36.7453

# Triad

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



42.5389, 36.9323, 48.0666



33.8704, 36.9323, 22.6764



29.6902, 36.9323, 55.3780

# Complementary

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



42.5389, 36.9323, 48.0666



39.8873, 50.0647, 44.6093

# 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.



28.2780, 36.9323, 43.8923



42.5389, 36.9323, 48.0666



30.5719, 36.9323, 25.9602

# Square

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



42.5389, 36.9323, 48.0666



37.7477, 36.9323, 23.3821



28.5885, 36.9323, 33.2651



32.5849, 36.9323, 63.6404



# Rectangle

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



42.5389, 36.9323, 48.0666



41.9608, 36.9323, 30.5759



28.5885, 36.9323, 33.2651



29.0364, 36.9323, 51.6881

# Sweetspot

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



42.5400, 36.9340, 48.0674



87.6606, 87.1785, 100.4029



37.0647, 33.8721, 58.6180



18.4829, 18.1765, 21.1600



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.



42.5400, 36.9340, 48.0674



70.9776, 58.7871, 79.5056



40.2746, 36.0278, 36.1379



10.9056, 10.7456, 12.4863



17.5030, 8.7508, 13.1245



0.8632, 0.4281, 0.8029



# Inverse Universe

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



42.5400, 36.9340, 48.0674



70.9776, 58.7871, 79.5056



42.3706, 51.0580, 57.6860



10.9056, 10.7456, 12.4863



17.5030, 8.7508, 13.1245



0.8632, 0.4281, 0.8029



# Previews

## White Background



This preview shows how the XYZ color 42.5389, 36.9323, 48.0666 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

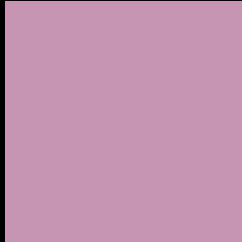
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.5389, 36.9323, 48.0666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

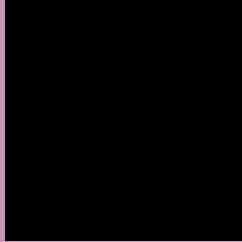
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.5389, 36.9323, 48.0666**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5389, 36.9323, 48.0666.



This preview shows how white text looks on a background with the XYZ color 42.5389, 36.9323,



# 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

42.5389, 36.9323, 48.0666

### Protanopia

36.5806, 37.2394, 53.4040

### Deuteranopia

37.6676, 36.8949, 47.2556



## Tritanopia

40.9550, 37.0071, 40.1065

# Trichromacy



## Original Color

42.5389, 36.9323, 48.0666

## Protanomaly

38.5453, 36.9976, 51.5641

## Deuteranomaly

39.1494, 36.6424, 47.6571

## Tritanomaly

41.6110, 37.0413, 42.9868

# Monochromacy



## Original Color

42.5389, 36.9323, 48.0666

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

38.6076, 37.7039, 44.2725

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5389, 36.9323, 48.0666 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, 149, 180)` looks like.

```
.text, #text, p{  
    color:rgb(199, 149, 180)  
}
```

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, 149, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 149, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5389, 36.9323, 48.0666 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, 149, 180) }
```



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

```
.border{ border-color:rgb(199, 149, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 149, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 149, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 149, 180);  
box-shadow:4px 4px 4px 4px rgb(199, 149,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5389, 36.9323, 48.0666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 149, 180) }
```

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

```
.background{ background-color: rgb(199,  
149, 180) }
```

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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