

# Converting Colors

XYZ(54.5758, 49.0015, 69.0478)

Have a look what the booklet for  
XYZ(54.5758, 49.0015, 69.0478)  
contains.

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# Color

**XYZ(54.5588, 48.9367,  
68.8575)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D6ADD4
RGB	214, 173, 212
RGB Percent	84%, 68%, 83%
CMY	0.1608, 0.3216, 0.1686
CMYK	0.00, 0.19, 0.01, 0.16
HSL	303°, 33%, 76%
HSV	303°, 19%, 84%
XYZ	54.5588, 48.9367, 68.8575
YIQ	189.7050, 11.9170, 20.8210

# Conversions

## Conversions Part 2

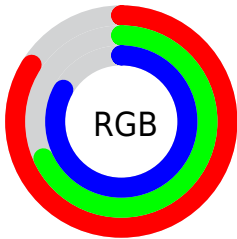
Format	Color
R <sub>Y</sub> B	214, 173, 212
Decimal	14069204
CIE Lab	75.41, 21.52, -14.06
CIE LCh	75, 25.710, 326.839
Yxy	48.9367, 0.3166, 0.2839
Android (android.graphics.Color)	4292259284 (0xFFD6ADD4)
YUV	189.7050, 10.9914, 21.3067
Hunter-Lab	69.9548, 16.7940, -9.3917

# Details

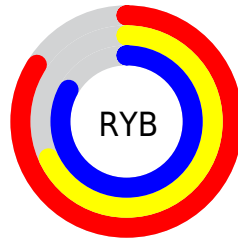
The XYZ color **54.5588, 48.9367, 68.8575** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.0199, 60.0740, 49.5719**, and the grayscale version is **48.7091, 51.2458, 55.8067**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **27.1003, 23.2382, 34.9554** is the 20% darker color. If you saturate the color by 10%, you get **50.6486, 41.3257, 66.9068**, and if you desaturate by 10%, it is **59.1300, 57.8668, 71.0339**.

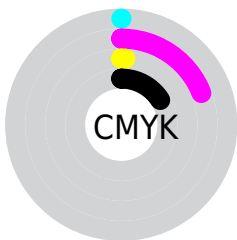
# Distribution



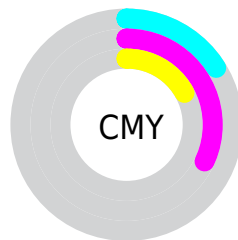
- Red (84%)
- Green (68%)
- Blue (83%)



- Red (84%)
- Yellow (68%)
- Blue (83%)



- Cyan (0%)
- Magenta (19%)
- Yellow (1%)
- Black (16%)



- Cyan (16%)
- Magenta (32%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5588, 48.9367, 68.8575 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 54.5588, 48.9367, 68.8575 by changing the saturation by 10% instead.




 54.5588, 48.9367,  
68.8575

 54.5588, 48.9367,  
68.8575


394.4010,  
382.4931, 475.2085

 39.2810, 34.5693,  
50.1246

 96.0463, 88.5974,  
119.2438

 27.1601, 23.3313,  
35.1406


122.9868,  
114.6595, 151.7343

 17.8307, 14.8383,  
23.4868


154.5456,  
145.3886, 189.6478

 10.9275, 8.7060,  
14.7447


191.0879,  
181.1691, 233.4028

 6.0850, 4.5499,  
8.4958

232.9793,  
222.3854, 283.4178

 2.9380, 1.9857,  
4.3215

280.5851,

 1.1211, 0.5991,

269.4219, 340.1114

1.8033

334.2705,  
322.6630, 403.9021

■ 0.0426, 0.0000,  
0.4301

■ 0.0000, 0.0000,  
0.0000

■ 54.5588, 48.9367,  
68.8575

■ 54.5588, 48.9367,  
68.8575

■ 50.6486, 41.3257,  
66.9068

■ 59.1300, 57.8668,  
71.0339

■ 47.3638, 34.9649,  
65.1682

■ 64.3870, 68.1679,  
73.4425

■ 44.6721, 29.7889,  
63.6315

■ 70.3586, 79.8968,  
76.0935

■ 42.5365, 25.7238,  
62.2844

■ 75.9097, 90.7835,  
78.6086

40.9160, 22.6875,  
61.1131

76.0453, 90.8377,  
79.3227

39.7638, 20.5864,  
60.1020

76.1818, 90.8923,  
80.0414

39.0247, 19.3102,  
59.2329

76.3191, 90.9472,  
80.7647

38.6084, 18.6782,  
58.4754

76.4574, 91.0025,  
81.4924

38.5783, 18.6349,  
58.4135

76.5964, 91.0581,  
82.2248

# Harmonies

## Analogous

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



50.7459, 48.9367, 80.1013



54.5588, 48.9367, 68.8575



56.2090, 48.9367, 54.7346

# Triad

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



54.5588, 48.9367, 68.8575



47.0167, 48.9367, 31.2582



38.8526, 48.9367, 65.9448

# Complementary

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



54.5588, 48.9367, 68.8575



49.0199, 60.0740, 49.5719

# 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.



38.0013, 48.9367, 51.8588



54.5588, 48.9367, 68.8575



42.5221, 48.9367, 33.2392

# Square

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



54.5588, 48.9367, 68.8575



51.6730, 48.9367, 34.3001



39.2996, 48.9367, 40.2554



41.7082, 48.9367, 78.2292



# Rectangle

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



54.5588, 48.9367, 68.8575



55.7829, 48.9367, 46.0814



39.2996, 48.9367, 40.2554



38.3313, 48.9367, 61.2000

# Sweetspot

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



54.5603, 48.9388, 68.8586



90.2419, 90.5757, 106.7054



44.6207, 43.7854, 69.7190



19.2084, 19.1772, 22.7899



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.



54.5603, 48.9388, 68.8586



78.6516, 67.9350, 101.1776



52.2060, 47.9971, 56.4614



12.9256, 12.6218, 15.5486



23.3292, 11.2680, 35.3674



1.4153, 0.6829, 2.1766



# Inverse Universe

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



54.5603, 48.9388, 68.8586



78.6516, 67.9350, 101.1776



51.1172, 60.9129, 60.6157



12.9256, 12.6218, 15.5486



23.3292, 11.2680, 35.3674



1.4153, 0.6829, 2.1766



# Previews

## White Background



This preview shows how the XYZ color 54.5588, 48.9367, 68.8575 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

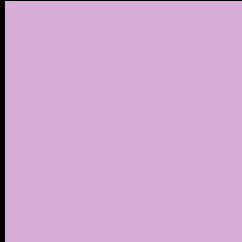
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5588, 48.9367, 68.8575 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 54.5588, 48.9367, 68.8575**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5588, 48.9367, 68.8575.



This preview shows how white text looks on a background with the XYZ color 54.5588, 48.9367,



# 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

54.5588, 48.9367, 68.8575

### Protanopia

48.5171, 48.9792, 73.9146

### Deuteranopia

50.1491, 49.0383, 67.7950



## Tritanopia

51.9901, 49.0548, 56.0186

# Trichromacy



## Original Color

54.5588, 48.9367, 68.8575

## Protanomaly

50.4542, 48.8069, 71.7272

## Deuteranomaly

51.7657, 48.9614, 68.3502

## Tritanomaly

52.9855, 49.1712, 60.7312

# Monochromacy



## Original Color

54.5588, 48.9367, 68.8575

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

50.8867, 50.5003, 60.4916

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5588, 48.9367, 68.8575 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(214, 173, 212)` looks like.

```
.text, #text, p{  
    color:rgb(214, 173, 212)  
}
```

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(214, 173, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 173, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5588, 48.9367, 68.8575 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(214, 173, 212) }
```



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

```
.border{ border-color:rgb(214, 173, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 173, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 173, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 173, 212);  
box-shadow:4px 4px 4px 4px rgb(214, 173,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5588, 48.9367, 68.8575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 173, 212) }
```

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

```
.background{ background-color: rgb(214,  
173, 212) }
```

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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