

# Converting Colors

XYZ(54.9188, 49.3624, 72.0801)

Have a look what the booklet for  
XYZ(54.9188, 49.3624, 72.0801)  
contains.

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# Color

**XYZ(54.8118, 49.2789,  
72.2685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4AED9
RGB	212, 174, 217
RGB Percent	83%, 68%, 85%
CMY	0.1686, 0.3176, 0.1490
CMYK	0.02, 0.20, 0.00, 0.15
HSL	293°, 36%, 77%
HSV	293°, 20%, 85%
XYZ	54.8118, 49.2789, 72.2685
YIQ	190.2640, 8.8450, 21.4290

# Conversions

## Conversions Part 2

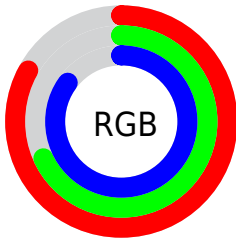
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 174, 217
Decimal	13938393
CIE Lab	75.62, 21.25, -16.49
CIE LCh	76, 26.893, 322.193
Yxy	49.2789, 0.3108, 0.2794
Android (android.graphics.Color)	4292128473 (0xFFD4AED9)
YUV	190.2640, 13.1808, 19.0625
Hunter-Lab	70.1989, 16.5259, -11.8987

# Details

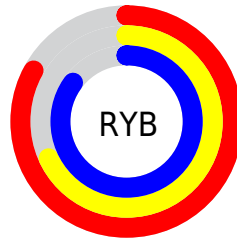
The XYZ color **54.8118, 49.2789, 72.2685** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.0450, 62.2666, 49.3752**, and the grayscale version is **49.0198, 51.5726, 56.1626**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **27.2636, 23.4515, 37.2721** is the 20% darker color. If you saturate the color by 10%, you get **50.2323, 41.1905, 70.9494**, and if you desaturate by 10%, it is **60.0829, 58.7319, 73.8160**.

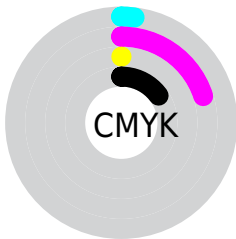
# Distribution



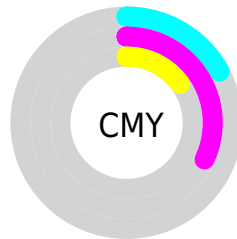
- Red (83%)
- Green (68%)
- Blue (85%)



- Red (83%)
- Yellow (68%)
- Blue (85%)



- Cyan (2%)
- Magenta (20%)
- Yellow (0%)
- Black (15%)




- Cyan (17%)
- Magenta (32%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8118, 49.2789, 72.2685 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 54.8118, 49.2789, 72.2685 by changing the saturation by 10% instead.





 54.8118, 49.2789,  
72.2685

 54.8118, 49.2789,  
72.2685

395.3462,  
383.8393, 487.4782

 39.4843, 34.8408,  
52.8899

 96.4151, 89.1055,  
124.1495

 27.3191, 23.5402,  
37.3277

123.4216,  
115.2628, 157.4889

 17.9509, 14.9929,  
25.1636


155.0518,  
146.0953, 196.3189

 11.0142, 8.8144,  
15.9788

191.6711,  
181.9874, 241.0582

 6.1437, 4.6203,  
9.3550

233.6449,  
223.3234, 292.1253

 2.9742, 2.0263,  
4.8735

281.3384,

 1.1401, 0.6227,

270.4878, 349.9386

2.1158

335.1170,  
323.8650, 414.9167

■ 0.0583, 0.0000,  
0.6251

■ 0.0000, 0.0000,  
0.0000

■ 54.8118, 49.2789,  
72.2685

■ 54.8118, 49.2789,  
72.2685

■ 50.2323, 41.1905,  
70.9494

■ 60.0829, 58.7319,  
73.8160

■ 46.3074, 34.3953,  
69.8446

■ 66.0714, 69.6036,  
75.5989

■ 43.0033, 28.8252,  
68.9436

■ 72.8074, 81.9532,  
77.6275

■ 40.2816, 24.4031,  
68.2335

■ 78.4377, 92.0743,  
79.2844

38.0994, 21.0434,  
67.7001

79.2168, 92.4760,  
79.3208

36.4077, 18.6483,  
67.3269

80.0076, 92.8837,  
79.3578

35.1486, 17.1018,  
67.0948

80.8100, 93.2973,  
79.3954

34.2204, 16.2010,  
66.9698

81.6242, 93.7170,  
79.4335

34.2041, 16.1861,  
66.9678

82.4501, 94.1428,  
79.4721

# Harmonies

## Analogous

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



50.5460, 49.2789, 83.2387



54.8118, 49.2789, 72.2685



56.9716, 49.2789, 57.4656

# Triad

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



54.8118, 49.2789, 72.2685



48.1500, 49.2789, 30.8290



38.5255, 49.2789, 64.6869

# Complementary

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



54.8118, 49.2789, 72.2685



51.0450, 62.2666, 49.3752

# 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.



37.9837, 49.2789, 50.0193



54.8118, 49.2789, 72.2685



43.3161, 49.2789, 32.0728

# Square

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



54.8118, 49.2789, 72.2685



52.9518, 49.2789, 34.7874



39.6779, 49.2789, 38.5502



41.2141, 49.2789, 78.3492



# Rectangle

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



54.8118, 49.2789, 72.2685



56.8269, 49.2789, 48.0745



39.6779, 49.2789, 38.5502



38.0943, 49.2789, 59.6544

# Sweetspot

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



54.8133, 49.2810, 72.2696



89.7103, 90.2878, 107.3068



46.1055, 46.2577, 72.1450



19.0823, 19.1089, 22.9326



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.



54.8133, 49.2810, 72.2696



75.9675, 65.6498, 103.2755



54.2387, 49.2203, 61.6040



13.4576, 13.1940, 16.4895



20.7633, 9.8281, 40.5411



1.3883, 0.6589, 2.6285



# Inverse Universe

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



51.8897, 48.2807, 49.2343



71.0201, 63.9677, 63.8105



51.6173, 62.3645, 58.3116



13.1173, 13.0760, 13.8790



17.4499, 8.9810, 1.4832



1.1515, 0.5902, 0.2065



# Previews

## White Background



This preview shows how the XYZ color 54.8118, 49.2789, 72.2685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

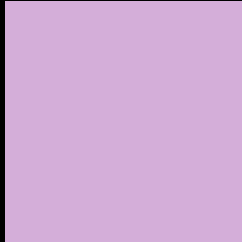
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8118, 49.2789, 72.2685 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 54.8118, 49.2789, 72.2685**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8118, 49.2789, 72.2685.



This preview shows how white text looks on a background with the XYZ color 54.8118, 49.2789,



# 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

54.8118, 49.2789, 72.2685

### Protanopia

49.1636, 49.5447, 77.4929

### Deuteranopia

50.4795, 49.4386, 71.1720



## Tritanopia

51.4472, 49.0565, 56.6265

# Trichromacy



## Original Color

54.8118, 49.2789, 72.2685

## Protanomaly

50.8102, 49.2154, 75.2281

## Deuteranomaly

52.0680, 49.3402, 71.7451

## Tritanomaly

52.5593, 49.2166, 61.9879

# Monochromacy



## Original Color

54.8118, 49.2789, 72.2685

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

50.8545, 50.4569, 61.7024

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8118, 49.2789, 72.2685 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(212, 174, 217)` looks like.

```
.text, #text, p{  
    color:rgb(212, 174, 217)  
}
```

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(212, 174, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 174, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8118, 49.2789, 72.2685 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(212, 174, 217) }
```



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

```
.border{ border-color:rgb(212, 174, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 174, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 174, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 174, 217);  
box-shadow:4px 4px 4px 4px rgb(212, 174,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8118, 49.2789, 72.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 174, 217) }
```

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

```
.background{ background-color: rgb(212,  
174, 217) }
```

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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