

# Converting Colors

XYZ(54.7131, 49.6372, 70.8800)

Have a look what the booklet for  
XYZ(54.7131, 49.6372, 70.8800)  
contains.

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# Color

**XYZ(54.7471, 49.5633,  
70.9712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4AFD7
RGB	212, 175, 215
RGB Percent	83%, 69%, 84%
CMY	0.1686, 0.3137, 0.1569
CMYK	0.01, 0.19, 0.00, 0.16
HSL	296°, 33%, 76%
HSV	296°, 19%, 84%
XYZ	54.7471, 49.5633, 70.9712
YIQ	190.6230, 9.2120, 20.2840

# Conversions

## Conversions Part 2

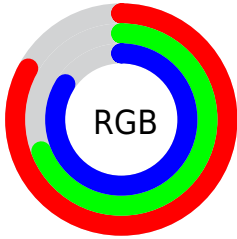
Format	Color
R <sub>Y</sub> B	212, 175, 215
Decimal	13938647
CIE Lab	75.80, 20.33, -15.13
CIE LCh	76, 25.340, 323.333
Yxy	49.5633, 0.3123, 0.2828
Android (android.graphics.Color)	4292128727 (0xFFD4AFD7)
YUV	190.6230, 12.0179, 18.7476
Hunter-Lab	70.4012, 15.6074, -10.4892

# Details

The XYZ color **54.7471, 49.5633, 70.9712** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.4002, 61.1623, 49.7091**, and the grayscale version is **49.2333, 51.7972, 56.4072**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **27.2093, 23.6252, 36.3837** is the 20% darker color. If you saturate the color by 10%, you get **50.4291, 41.6132, 69.6650**, and if you desaturate by 10%, it is **59.7389, 58.8525, 72.5018**.

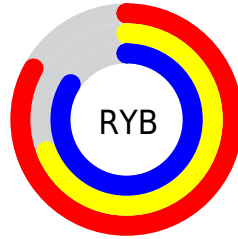
# Distribution



Red (83%)

Green (69%)

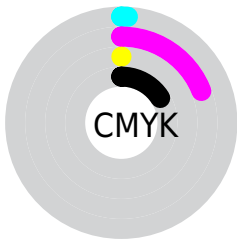
Blue (84%)



Red (83%)

Yellow (69%)

Blue (84%)

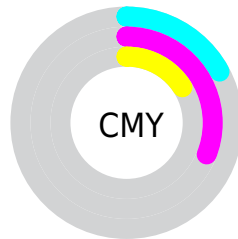


Cyan (1%)

Magenta (19%)

Yellow (0%)

Black (16%)



Cyan (17%)

Magenta (31%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.7471, 49.5633, 70.9712 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 54.7471, 49.5633, 70.9712 by changing the saturation by 10% instead.





 54.7471, 49.5633,  
70.9712

 54.7471, 49.5633,  
70.9712


395.1046,  
384.9557, 482.8337

 39.4323, 35.0665,  
51.8370

 96.3208, 89.5275,  
122.2868

 27.2784, 23.7141,  
36.4938


123.3104,  
115.7637, 155.3053

 17.9201, 15.1217,  
24.5231


154.9224,  
146.6819, 193.7889

 10.9920, 8.9048,  
15.5063

191.5220,  
182.6664, 238.1563

 6.1287, 4.6792,  
9.0250

233.4747,  
224.1017, 288.8259

 2.9649, 2.0603,  
4.6604

281.1458,

 1.1352, 0.6421,

271.3720, 346.2163

1.9942

334.9006,  
324.8619, 410.7461

■ 0.0543, 0.0000,  
0.5517

■ 0.0000, 0.0000,  
0.0000

■ 54.7471, 49.5633,  
70.9712

■ 54.7471, 49.5633,  
70.9712

■ 50.4291, 41.6132,  
69.6650

■ 59.7389, 58.8525,  
72.5018

■ 46.7491, 34.9329,  
68.5695

■ 65.4295, 69.5332,  
74.2635

■ 43.6744, 29.4564,  
67.6745

■ 71.8479, 81.6626,  
76.2664

■ 41.1679, 25.1096,  
66.9676

■ 77.0745, 91.4015,  
77.8707

39.1883, 21.8096,  
66.4350

77.5604, 91.6520,  
77.8935

37.6886, 19.4628,  
66.0610

78.0510, 91.9049,  
77.9164

36.6136, 17.9585,  
65.8273

78.5464, 92.1603,  
77.9396

35.8787, 17.1276,  
65.7057

79.0465, 92.4181,  
77.9630

35.7863, 17.0316,  
65.6920

79.5513, 92.6783,  
77.9866

# Harmonies

## Analogous

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



50.7847, 49.5633, 81.4358



54.7471, 49.5633, 70.9712



56.6814, 49.5633, 57.0317

# Triad

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



54.7471, 49.5633, 70.9712



48.1670, 49.5633, 32.0986



39.2773, 49.5633, 64.8966

# Complementary

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



54.7471, 49.5633, 70.9712



50.4002, 61.1623, 49.7091

# 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.



38.6790, 49.5633, 51.0122



54.7471, 49.5633, 70.9712



43.6140, 49.5633, 33.4935

# Square

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



54.7471, 49.5633, 70.9712



52.7223, 49.5633, 35.7312



40.2155, 49.5633, 39.9204



41.9079, 49.5633, 77.5405



# Rectangle

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



54.7471, 49.5633, 70.9712



56.4750, 49.5633, 48.2068



40.2155, 49.5633, 39.9204



38.8394, 49.5633, 60.1665

# Sweetspot

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



54.7486, 49.5654, 70.9723



89.9409, 90.4067, 107.3176



45.9339, 45.9963, 70.7479



19.1370, 19.1371, 22.9352



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.



54.7486, 49.5654, 70.9723



78.1594, 68.4916, 103.7085



53.5874, 49.2018, 60.3020



12.8568, 12.5831, 15.6887



21.4441, 10.2074, 39.2931



1.3214, 0.6301, 2.3713



# Inverse Universe

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



51.3919, 48.3236, 48.7406



72.4327, 66.3778, 65.5616



51.4589, 61.5071, 58.8375



12.4607, 12.4358, 13.1002



16.8334, 8.6697, 1.1607



1.0288, 0.5283, 0.1411



# Previews

## White Background



This preview shows how the XYZ color 54.7471, 49.5633, 70.9712 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

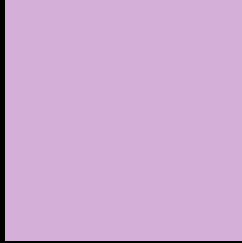
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.7471, 49.5633, 70.9712 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 54.7471, 49.5633, 70.9712**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.7471, 49.5633, 70.9712.



This preview shows how white text looks on a background with the XYZ color 54.7471, 49.5633,

70.9712.

# 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

54.7471, 49.5633, 70.9712

### Protanopia

49.3562, 49.6751, 76.0942

### Deuteranopia

50.8579, 49.6484, 70.5209



## Tritanopia

52.0402, 49.6458, 57.2919

# Trichromacy



## Original Color

54.7471, 49.5633, 70.9712

## Protanomaly

51.0483, 49.3687, 73.8564

## Deuteranomaly

52.0771, 49.3746, 70.4038

## Tritanomaly

53.0414, 49.7595, 62.0673

# Monochromacy



## Original Color

54.7471, 49.5633, 70.9712

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

51.3275, 51.0102, 61.7843

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.7471, 49.5633, 70.9712 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, 175, 215)` looks like.

```
.text, #text, p{  
    color:rgb(212, 175, 215)  
}
```

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, 175, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 175, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 54.7471, 49.5633, 70.9712 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, 175, 215) }
```



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

```
.border{ border-color:rgb(212, 175, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 175, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 175, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 175, 215);  
box-shadow:4px 4px 4px 4px rgb(212, 175,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.7471, 49.5633, 70.9712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 175, 215) }
```

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

```
.background{ background-color: rgb(212,  
175, 215) }
```

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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