

# Converting Colors

XYZ(52.5144, 48.0709, 67.0721)

Have a look what the booklet for  
XYZ(52.5144, 48.0709, 67.0721)  
contains.

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# Color

**XYZ(52.6571, 48.2854,  
66.8663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0AED1
RGB	208, 174, 209
RGB Percent	82%, 68%, 82%
CMY	0.1843, 0.3176, 0.1804
CMYK	0.00, 0.17, 0.00, 0.18
HSL	298°, 28%, 75%
HSV	298°, 17%, 82%
XYZ	52.6571, 48.2854, 66.8663
YIQ	188.1560, 9.0290, 18.0930

# Conversions

## Conversions Part 2

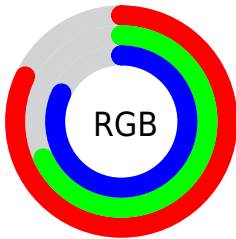
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 174, 209
Decimal	13676241
CIE <sub>Lab</sub>	75.00, 18.39, -13.09
CIE <sub>LCh</sub>	75, 22.578, 324.552
Yxy	48.2854, 0.3138, 0.2877
Android (android.graphics.Color)	4291866321 (0xFFD0AED1)
YUV	188.1560, 10.2761, 17.4032
Hunter-Lab	69.4877, 13.6621, -8.4119

# Details

The XYZ color **52.6571, 48.2854, 66.8663** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.1213, 57.7721, 48.6616**, and the grayscale version is **47.8296, 50.3205, 54.7990**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **25.8906, 22.8136, 34.0492** is the 20% darker color. If you saturate the color by 10%, you get **48.7624, 40.7439, 65.6166**, and if you desaturate by 10%, it is **57.1835, 57.0878, 68.3275**.

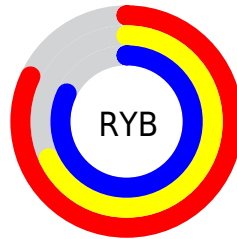
# Distribution



Red (82%)

Green (68%)

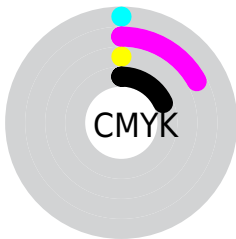
Blue (82%)



Red (82%)

Yellow (68%)

Blue (82%)

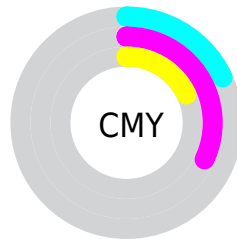


Cyan (0%)

Magenta (17%)

Yellow (0%)

Black (18%)



Cyan (18%)

Magenta (32%)

Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6571, 48.2854, 66.8663 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 52.6571, 48.2854, 66.8663 by changing the saturation by 10% instead.





 52.6571, 48.2854,  
66.8663

 52.6571, 48.2854,  
66.8663


387.2506,  
379.9223, 467.9572

 37.7555, 34.0530,  
48.5151


 93.2681, 87.6292,  
116.3676

 25.9693, 22.9343,  
33.8721


119.7082,  
113.5093, 148.3548

 16.9332, 14.5450,  
22.5188


150.7252,  
144.0408, 185.7244

 10.2819, 8.5007,  
14.0366

186.6844,  
179.6080, 228.8949

 5.6500, 4.4170,  
8.0071

227.9512,  
220.5954, 278.2849

 2.6721, 1.9094,  
4.0117

274.8909,

 0.9828, 0.5540,

267.3873, 334.3130

1.6317

327.8689,  
320.3681, 397.3976

■ 0.0000, 0.0000,  
0.3133

■ 0.0000, 0.0000,  
0.0000

■ 52.6571, 48.2854,  
66.8663

■ 52.6571, 48.2854,  
66.8663

■ 48.7624, 40.7439,  
65.6166

■ 57.1835, 57.0878,  
68.3275

■ 45.4662, 34.3992,  
64.5657

■ 62.3645, 67.1991,  
70.0061

■ 42.7386, 29.1909,  
63.7042

■ 68.2269, 78.6723,  
71.9117

■ 40.5456, 25.0508,  
63.0206

■ 73.9581, 89.8824,  
73.7734

38.8495, 21.9035,  
62.5025

74.1288, 89.9704,  
73.7813

37.6076, 19.6639,  
62.1357

74.3002, 90.0587,  
73.7894

36.7703, 18.2324,  
61.9035

74.4722, 90.1474,  
73.7974

36.2727, 17.4794,  
61.7844

74.6448, 90.2364,  
73.8055

36.1459, 17.3044,  
61.7573

74.8180, 90.3257,  
73.8136

# Harmonies

## Analogous

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



49.2661, 48.2854, 76.0382



52.6571, 48.2854, 66.8663



54.2434, 48.2854, 54.7589

# Triad

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



52.6571, 48.2854, 66.8663



46.6503, 48.2854, 33.0632



39.0564, 48.2854, 62.5803

# Complementary

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



52.6571, 48.2854, 66.8663



48.1213, 57.7721, 48.6616

# 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.



38.4483, 48.2854, 50.4492



52.6571, 48.2854, 66.8663



42.6790, 48.2854, 34.5149

# Square

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



52.6571, 48.2854, 66.8663



50.6450, 48.2854, 36.1682



39.7360, 48.2854, 40.4798



41.4495, 48.2854, 73.3157



# Rectangle

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



52.6571, 48.2854, 66.8663



53.9996, 48.2854, 47.0757



39.7360, 48.2854, 40.4798



38.6427, 48.2854, 58.4859

# Sweetspot

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



52.6585, 48.2875, 66.8673



90.9827, 92.0642, 107.5826



44.3286, 44.3293, 66.5424



19.3563, 19.4759, 22.9890



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.



52.6585, 48.2875, 66.8673



80.3490, 71.3905, 104.1526



51.0205, 47.6649, 56.7701



12.2760, 11.9911, 14.9112



22.3012, 10.6770, 38.0780



1.2577, 0.6025, 2.1296



# Inverse Universe

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



49.1700, 46.9247, 47.0254



73.9075, 68.8756, 67.4461



49.5884, 58.3331, 57.5540



11.8222, 11.8136, 12.3397



16.2387, 8.3683, 0.8974



0.9129, 0.4699, 0.0760



# Previews

## White Background



This preview shows how the XYZ color 52.6571, 48.2854, 66.8663 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

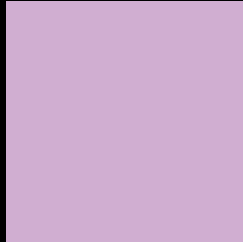
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.6571, 48.2854, 66.8663 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

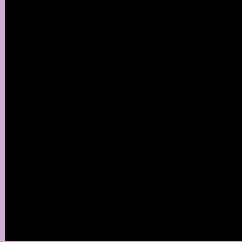
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.6571, 48.2854, 66.8663**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6571, 48.2854, 66.8663.



This preview shows how white text looks on a background with the XYZ color 52.6571, 48.2854,



# 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

52.6571, 48.2854, 66.8663

### Protanopia

47.7896, 48.3570, 71.1050

### Deuteranopia

49.4447, 48.4031, 66.4112



## Tritanopia

50.3029, 48.1850, 55.9396

# Trichromacy



## Original Color

52.6571, 48.2854, 66.8663

## Protanomaly

49.5667, 48.3938, 69.6793

## Deuteranomaly

50.5943, 48.4006, 66.3502

## Tritanomaly

51.1720, 48.2497, 60.0421

# Monochromacy



## Original Color

52.6571, 48.2854, 66.8663

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

49.4030, 49.4546, 59.1664

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6571, 48.2854, 66.8663 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(208, 174, 209)` looks like.

```
.text, #text, p{  
    color:rgb(208, 174, 209)  
}
```

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(208, 174, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 174, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6571, 48.2854, 66.8663 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(208, 174, 209) }
```



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

```
.border{ border-color:rgb(208, 174, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 174, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 174, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 174, 209);  
box-shadow:4px 4px 4px 4px rgb(208, 174,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6571, 48.2854, 66.8663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 174, 209) }
```

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

```
.background{ background-color: rgb(208,  
174, 209) }
```

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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