

Converting Colors

XYZ(50.1615, 43.7742, 68.0945)

Have a look what the booklet for
XYZ(50.1615, 43.7742, 68.0945)
contains.

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Color

**XYZ(49.9808, 43.5733,
68.0636)**

Conversions

Conversions Part 1

Format	Color
Hex	CDA2D4
RGB	205, 162, 212
RGB Percent	80%, 64%, 83%
CMY	0.1961, 0.3647, 0.1686
CMYK	0.03, 0.24, 0.00, 0.17
HSL	292°, 37%, 73%
HSV	292°, 24%, 83%
XYZ	49.9808, 43.5733, 68.0636
YIQ	180.5570, 9.5780, 24.6660

Conversions

Conversions Part 2

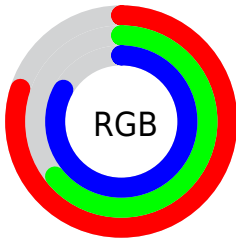
Format	Color
R_{YB}	205, 162, 212
Decimal	13476564
CIE _{Lab}	71.94, 24.51, -19.38
CIE _{LCh}	72, 31.251, 321.667
Yxy	43.5733, 0.3093, 0.2696
Android (android.graphics.Color)	4291666644 (0xFFCDA2D4)
YUV	180.5570, 15.5014, 21.4365
Hunter-Lab	66.0101, 19.6371, -14.9274

Details

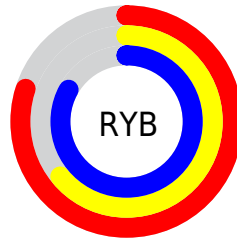
The XYZ color **49.9808, 43.5733, 68.0636** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.4289, 58.1318, 42.9582**, and the grayscale version is **43.5986, 45.8691, 49.9515**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **24.2394, 20.0702, 34.4947** is the 20% darker color. If you saturate the color by 10%, you get **45.7460, 36.3069, 66.8849**, and if you desaturate by 10%, it is **54.8634, 52.1105, 69.4548**.

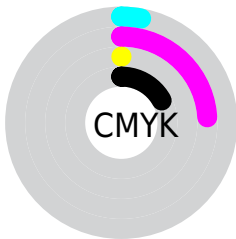
Distribution



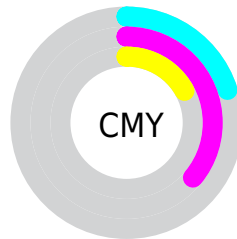
- Red (80%)
- Green (64%)
- Blue (83%)



- Red (80%)
- Yellow (64%)
- Blue (83%)



- Cyan (3%)
- Magenta (24%)
- Yellow (0%)
- Black (17%)




- Cyan (20%)
- Magenta (36%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9808, 43.5733, 68.0636 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 49.9808, 43.5733, 68.0636 by changing the saturation by 10% instead.


 49.9808, 43.5733,
68.0636


 49.9808, 43.5733,
68.0636


377.0441,
360.9642, 472.3255

 35.6159, 30.3352,
49.4825


 89.3384, 80.5753,
118.0982

 24.3064, 20.0931,
34.6341


 115.0618,
105.1079, 150.3887

 15.6870, 12.4628,
23.0998


145.3021,
134.1742, 188.0862

 9.3924, 7.0597,
14.4612

180.4246,
168.1586, 231.6090

 5.0572, 3.4994,
8.2998

220.7947,
207.4453, 281.3758

 2.3159, 1.3977,
4.1968

266.7778,

 0.8028, 0.2150,

252.4189, 337.8052

1.7339

318.7391,
303.4638, 401.3155

■ 0.0000, 0.0000,
0.3838

■ 0.0000, 0.0000,
0.0000

■ 49.9808, 43.5733,
68.0636

■ 49.9808, 43.5733,
68.0636

■ 45.7460, 36.3069,
66.8849

■ 54.8634, 52.1105,
69.4548

■ 42.1232, 30.2425,
65.9053

■ 60.4191, 61.9717,
71.0653

■ 39.0796, 25.3135,
65.1143

■ 66.6769, 73.2137,
72.9054

■ 36.5771, 21.4443,
64.4994

■ 73.6628, 85.8884,
74.9837

■ 34.5735, 18.5501,
64.0463

■ 77.1112, 91.4645,
75.8783

■ 33.0197, 16.5332,
63.7389

■ 78.0167, 91.9313,
75.9206

■ 31.8565, 15.2751,
63.5574

■ 78.9383, 92.4064,
75.9638

■ 31.2508, 14.7376,
63.4856

■ 79.8760, 92.8898,
76.0077

■ 80.8299, 93.3816,
76.0523

Harmonies

Analogous

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



45.3133, 43.5733, 80.2620



49.9808, 43.5733, 68.0636



52.3993, 43.5733, 51.8236

Triad

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



49.9808, 43.5733, 68.0636



42.9174, 43.5733, 23.9351



32.6065, 43.5733, 59.1200

Complementary

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



49.9808, 43.5733, 68.0636



46.4289, 58.1318, 42.9582

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.



32.0844, 43.5733, 43.3182



49.9808, 43.5733, 68.0636



37.7472, 43.5733, 25.0698

Square

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



49.9808, 43.5733, 68.0636



48.0986, 43.5733, 27.9525



33.8887, 43.5733, 31.4760



35.3814, 43.5733, 74.3760

Rectangle

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



49.9808, 43.5733, 68.0636



52.2783, 43.5733, 41.7554



33.8887, 43.5733, 31.4760



32.1718, 43.5733, 53.6269

Sweetspot

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



49.9822, 43.5752, 68.0645



88.7042, 88.6644, 107.0465



41.0670, 40.9993, 68.0372



18.8745, 18.7791, 22.8799



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.



49.9822, 43.5752, 68.0645



72.7649, 60.7481, 102.4982



49.8670, 43.7572, 57.1529



12.7741, 12.5405, 15.6848



19.3565, 9.1311, 39.1954



1.2156, 0.5755, 2.3663

Inverse Universe

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



47.2347, 42.7043, 43.2916



67.9898, 59.2520, 58.6549



46.6327, 58.0445, 51.6612



12.4934, 12.4488, 13.2723



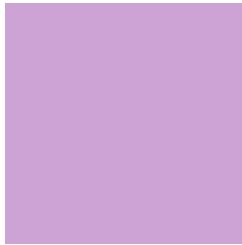
16.9260, 8.7067, 1.6483



1.0443, 0.5345, 0.2224

Previews

White Background



This preview shows how the XYZ color 49.9808, 43.5733, 68.0636 looks on a white background.

Color Contrast Check

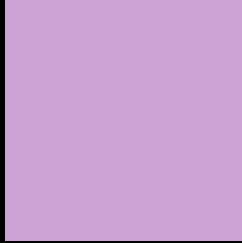
Large Text (above 18pt) WCAG AA × Fail

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 49.9808, 43.5733, 68.0636 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 49.9808, 43.5733, 68.0636

Background



This preview shows how black text looks on a background with the XYZ color 49.9808, 43.5733, 68.0636.



This preview shows how white text looks on a background with the XYZ color 49.9808, 43.5733,

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

49.9808, 43.5733, 68.0636

Protanopia

43.8982, 43.8797, 74.5626

Deuteranopia

44.5168, 43.5053, 67.0238



Tritanopia

46.1625, 43.6208, 49.7027

Trichromacy



Original Color

49.9808, 43.5733, 68.0636

Protanomaly

45.8520, 43.5147, 72.3122

Deuteranomaly

46.2540, 43.2732, 67.5427

Tritanomaly

47.5078, 43.6348, 55.7876

Monochromacy



Original Color

49.9808, 43.5733, 68.0636

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.8857, 45.0250, 56.1414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9808, 43.5733, 68.0636 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(205, 162, 212)` looks like.

```
.text, #text, p{  
    color:rgb(205, 162, 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(205, 162, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 162, 212) }
```

Border

The CSS property to change the border of an element to XYZ 49.9808, 43.5733, 68.0636 is called "border". The border property can be set on classes, ids or directly on the HTML element.

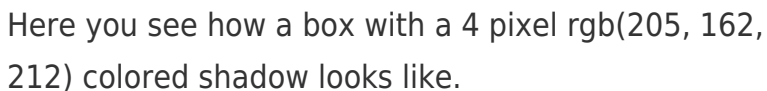
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 162, 212) }
```


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

```
.border{ border-color:rgb(205, 162, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 162, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 162, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 162, 212);  
box-shadow:4px 4px 4px 4px rgb(205, 162,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9808, 43.5733, 68.0636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 162, 212) }
```

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

```
.background{ background-color: rgb(205,  
162, 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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