

# Converting Colors

XYZ(49.8729, 45.5023, 54.1070)

Have a look what the booklet for  
XYZ(49.8729, 45.5023, 54.1070)  
contains.

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# Color

**XYZ(49.7663, 45.3810,  
54.2806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2A8BD
RGB	210, 168, 189
RGB Percent	82%, 66%, 74%
CMY	0.1765, 0.3412, 0.2588
CMYK	0.00, 0.20, 0.10, 0.18
HSL	330°, 32%, 74%
HSV	330°, 20%, 82%
XYZ	49.7663, 45.3810, 54.2806
YIQ	182.9520, 18.2910, 15.4350

# Conversions

## Conversions Part 2

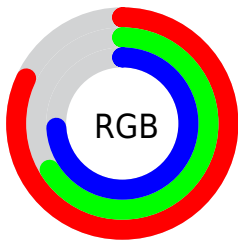
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 168, 189
Decimal	13805757
CIE <sub>Lab</sub>	73.14, 18.76, -4.89
CIE <sub>LCh</sub>	73, 19.391, 345.393
Yxy	45.3810, 0.3330, 0.3037
Android (android.graphics.Color)	4291995837 (0xFFD2A8BD)
YUV	182.9520, 2.9817, 23.7211
Hunter-Lab	67.3654, 13.9776, -0.6179

# Details

The XYZ color **49.7663, 45.3810, 54.2806** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **48.3822, 58.0934, 56.8099**, and the grayscale version is **44.9617, 47.3032, 51.5131**.

A 20% lighter version of the original color is **84.1091, 80.6279, 97.5159**, and **24.2069, 21.2369, 26.1158** is the 20% darker color. If you saturate the color by 10%, you get **45.0993, 37.8052, 47.3035**, and if you desaturate by 10%, it is **55.1445, 54.2460, 61.9031**.

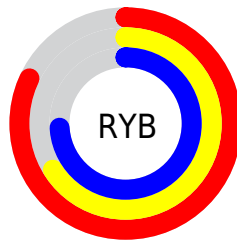
# Distribution



Red (82%)

Green (66%)

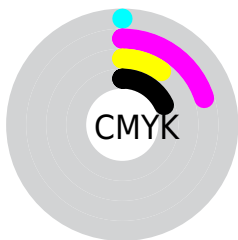
Blue (74%)



Red (82%)

Yellow (66%)

Blue (74%)

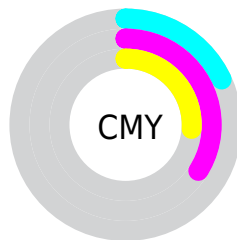


Cyan (0%)

Magenta (20%)

Yellow (10%)

Black (18%)



Cyan (18%)

Magenta (34%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7663, 45.3810, 54.2806 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 49.7663, 45.3810, 54.2806 by changing the saturation by 10% instead.





 49.7663, 45.3810,  
54.2806


 49.7663, 45.3810,  
54.2806


376.2184,  
368.3144, 420.3840

 35.4448, 31.7576,  
38.4313


 89.0224, 83.2918,  
97.9467

 24.1738, 21.1764,  
26.0132


 114.6877,  
108.3481, 126.6006

 15.5880, 13.2530,  
16.6077

144.8650,  
137.9841, 160.3597

 9.3221, 7.6030,  
9.7962

179.9196,  
172.5843, 199.6428

 5.0107, 3.8420,  
5.1602

220.2169,  
212.5330, 244.8682

 2.2883, 1.5856,  
2.2812

266.1222,

 0.7887, 0.3478,

258.2147, 296.4545

0.7206

318.0010,  
310.0137, 354.8202

■ 0.0000, 0.0000,  
0.0000

■ 49.7663, 45.3810,  
54.2806

■ 49.7663, 45.3810,  
54.2806

■ 45.0993, 37.8052,  
47.3035

■ 55.1445, 54.2460,  
61.9031

■ 41.1079, 31.4518,  
40.9496

■ 61.2597, 64.4508,  
70.1863

■ 37.7591, 26.2573,  
35.1999

■ 68.1411, 76.0506,  
79.1484

■ 35.0156, 22.1496,  
30.0325

■ 75.8152, 89.0957,  
88.8063

■ 32.8357, 19.0490,  
25.4242

■ 78.2915, 91.6029,  
97.1705

■ 31.1724, 16.8643,  
21.3493

■ 79.9104, 92.2505,  
105.6955

■ 29.9699, 15.4875,  
17.7791

■ 80.3886, 92.4418,  
108.2139

■ 29.1282, 14.7217,  
14.6693

■ 29.1280, 14.7215,  
14.6687

# Harmonies

## Analogous

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



47.9516, 45.3810, 63.7442



49.7663, 45.3810, 54.2806



49.7408, 45.3810, 44.6123

# Triad

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



49.7663, 45.3810, 54.2806



41.4230, 45.3810, 33.4848



38.7079, 45.3810, 63.9592

# Complementary

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



49.7663, 45.3810, 54.2806



48.3822, 58.0934, 56.8099

# 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.



37.1384, 45.3810, 54.5446



49.7663, 45.3810, 54.2806



38.6491, 45.3810, 37.4076

# Square

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



49.7663, 45.3810, 54.2806



44.8013, 45.3810, 33.4336



37.1175, 45.3810, 44.8440



41.5072, 45.3810, 69.8100



# Rectangle

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



49.7663, 45.3810, 54.2806



48.6790, 45.3810, 39.3523



37.1175, 45.3810, 44.8440



38.0256, 45.3810, 61.0552

# Sweetspot

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



49.7676, 45.3830, 54.2816



89.1543, 90.1407, 100.9786



46.6235, 43.4794, 66.9085



18.9509, 19.0742, 21.4340



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.



49.7676, 45.3830, 54.2816



73.9958, 65.1580, 79.4807



47.6505, 44.5362, 43.1331



12.0517, 11.9054, 13.5481



17.8182, 9.0001, 9.2150



1.0363, 0.5193, 0.7262



# Inverse Universe

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



49.7676, 45.3830, 54.2816



73.9958, 65.1580, 79.4807



50.8293, 59.0723, 69.6965



12.0517, 11.9054, 13.5481



17.8182, 9.0001, 9.2150

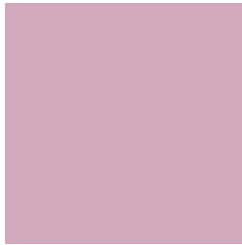


1.0363, 0.5193, 0.7262



# Previews

## White Background



This preview shows how the XYZ color 49.7663, 45.3810, 54.2806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

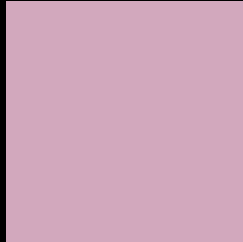
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.7663, 45.3810, 54.2806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

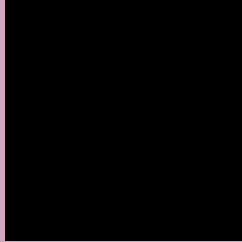
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.7663, 45.3810, 54.2806**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.7663, 45.3810, 54.2806.



This preview shows how white text looks on a background with the XYZ color 49.7663, 45.3810,



# 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

49.7663, 45.3810, 54.2806

### Protanopia

44.3305, 45.6453, 58.1037

### Deuteranopia

46.4613, 45.3723, 53.8859



## Tritanopia

48.9260, 45.3086, 50.4227

# Trichromacy



## Original Color

49.7663, 45.3810, 54.2806

## Protanomaly

46.1908, 45.4573, 56.7917

## Deuteranomaly

47.6490, 45.4152, 53.8316

## Tritanomaly

49.2394, 45.4340, 52.0734

# Monochromacy



## Original Color

49.7663, 45.3810, 54.2806

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

46.6697, 46.6810, 52.4495

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.7663, 45.3810, 54.2806 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(210, 168, 189)` looks like.

```
.text, #text, p{  
    color:rgb(210, 168, 189)  
}
```

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(210, 168, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 168, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 49.7663, 45.3810, 54.2806 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(210, 168, 189) }
```



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

```
.border{ border-color:rgb(210, 168, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 168, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 168, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 168, 189);  
box-shadow:4px 4px 4px 4px rgb(210, 168,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.7663, 45.3810, 54.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 168, 189) }
```

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

```
.background{ background-color: rgb(210,  
168, 189) }
```

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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