

# Converting Colors

XYZ(48.1084, 45.7621, 48.7919)

Have a look what the booklet for  
XYZ(48.1084, 45.7621, 48.7919)  
contains.

<b>XYZ(48.0660, 45.7389, 48.9430)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(48.0660, 45.7389,  
48.9430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDACB3
RGB	205, 172, 179
RGB Percent	80%, 67%, 70%
CMY	0.1961, 0.3255, 0.2980
CMYK	0.00, 0.16, 0.13, 0.20
HSL	347°, 25%, 74%
HSV	347°, 16%, 80%
XYZ	48.0660, 45.7389, 48.9430
YIQ	182.6650, 17.4210, 9.1730

# Conversions

## Conversions Part 2

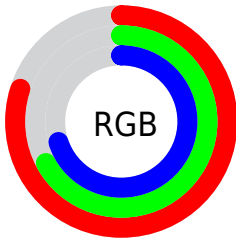
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 172, 179
Decimal	13479091
CIE <sub>Lab</sub>	73.38, 13.11, 0.89
CIE <sub>LCh</sub>	73, 13.144, 3.887
Yxy	45.7389, 0.3367, 0.3204
Android (android.graphics.Color)	4291669171 (0xFFCDACB3)
YUV	182.6650, -1.8068, 19.5878
Hunter-Lab	67.6305, 8.5091, 4.4343

# Details

The XYZ color **48.0660, 45.7389, 48.9430** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.0394, 56.5115, 61.7519**, and the grayscale version is **44.8303, 47.1649, 51.3626**.

A 20% lighter version of the original color is **83.7045, 82.1963, 90.0510**, and **23.0600, 21.4233, 22.6584** is the 20% darker color. If you saturate the color by 10%, you get **42.9223, 37.9143, 39.6349**, and if you desaturate by 10%, it is **54.0056, 54.8479, 59.4618**.

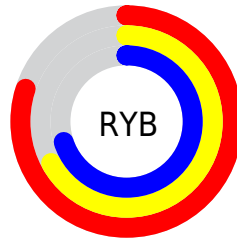
# Distribution



Red (80%)

Green (67%)

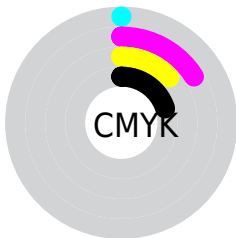
Blue (70%)



Red (80%)

Yellow (67%)

Blue (70%)

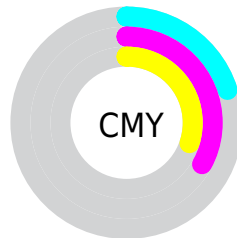


Cyan (0%)

Magenta (16%)

Yellow (13%)

Black (20%)



Cyan (20%)

Magenta (33%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0660, 45.7389, 48.9430 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 48.0660, 45.7389, 48.9430 by changing the saturation by 10% instead.





 48.0660, 45.7389,  
48.9430

 48.0660, 45.7389,  
48.9430


369.6319,  
369.7579, 399.1339

 34.0906, 32.0398,  
34.2090

 86.5118, 83.8281,  
89.9869

 23.1264, 21.3919,  
22.7755

111.7129,  
108.9870, 117.1339

 14.8081, 13.4108,  
14.2241


141.3866,  
138.7347, 149.2556

 8.7703, 7.7120,  
8.1362

175.8983,  
173.4555, 186.7705

 4.6475, 3.9112,  
4.0932

215.6133,  
213.5338, 230.0973

 2.0746, 1.6240,  
1.6766

260.8970,

 0.6753, 0.3737,

259.3541, 279.6544

0.3446

312.1148,  
311.3007, 335.8604

■ 0.0000, 0.0000,  
0.0000

■ 48.0660, 45.7389,  
48.9430

■ 48.0660, 45.7389,  
48.9430

■ 42.9223, 37.9143,  
39.6349

■ 54.0056, 54.8479,  
59.4618

■ 38.5365, 31.3102,  
31.4906

■ 60.7691, 65.2890,  
71.2298

■ 34.8732, 25.8666,  
24.4648

■ 68.3880, 77.1151,  
84.2876

■ 31.8929, 21.5161,  
18.5077

■ 76.8911, 90.3745,  
98.6730

■ 29.5520, 18.1841,  
13.5657

■ 78.9870, 91.7192,  
108.1483

■ 27.8016, 15.7867,  
9.5807

■ 26.5855, 14.2264,  
6.4878

■ 25.8347, 13.3813,  
4.2134

■ 25.6216, 13.1571,  
3.5198

# Harmonies

## Analogous

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



47.5928, 45.7389, 55.6245



48.0660, 45.7389, 48.9430



47.2731, 45.7389, 43.0288

# Triad

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



48.0660, 45.7389, 48.9430



41.0393, 45.7389, 39.9538



41.5441, 45.7389, 62.1442

# Complementary

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



48.0660, 45.7389, 48.9430



49.0394, 56.5115, 61.7519

# 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.



39.8830, 45.7389, 57.2508



48.0660, 45.7389, 48.9430



39.5989, 45.7389, 44.4005

# Square

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



48.0660, 45.7389, 48.9430



43.1725, 45.7389, 38.1383



39.1832, 45.7389, 50.6708



43.7758, 45.7389, 63.6296



# Rectangle

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



48.0660, 45.7389, 48.9430



46.1493, 45.7389, 40.1995



39.1832, 45.7389, 50.6708



40.9031, 45.7389, 60.8232

# Sweetspot

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



48.0673, 45.7409, 48.9440



89.5409, 91.5029, 99.2914



49.0226, 45.9004, 64.0338



19.0057, 19.3395, 20.9725



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.



48.0673, 45.7409, 48.9440



75.9453, 70.6685, 75.1626



49.2198, 49.1498, 45.9250



11.3080, 11.2519, 12.1568



15.9790, 8.2022, 2.3424



0.8530, 0.4346, 0.2718



# Inverse Universe

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



48.0673, 45.7409, 48.9440



75.9453, 70.6685, 75.1626



47.6954, 52.5020, 65.3780



11.3080, 11.2519, 12.1568



15.9790, 8.2022, 2.3424

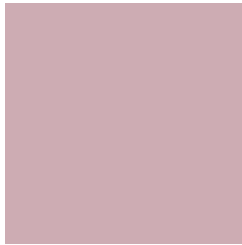


0.8530, 0.4346, 0.2718



# Previews

## White Background



This preview shows how the XYZ color 48.0660, 45.7389, 48.9430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

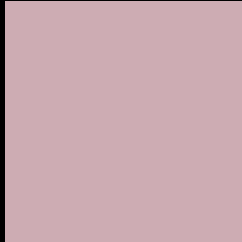
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.0660, 45.7389, 48.9430 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

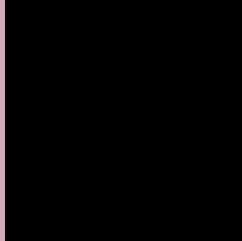
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.0660, 45.7389, 48.9430**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.0660, 45.7389, 48.9430.



This preview shows how white text looks on a background with the XYZ color 48.0660, 45.7389,

48.9430.

# 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

48.0660, 45.7389, 48.9430

### Protanopia

44.1958, 45.7264, 51.2965

### Deuteranopia

46.7554, 45.9204, 49.0471



## Tritanopia

48.6682, 45.7083, 51.6049

# Trichromacy



## Original Color

48.0660, 45.7389, 48.9430

## Protanomaly

45.4547, 45.5044, 50.6435

## Deuteranomaly

47.3601, 45.9443, 49.0198

## Tritanomaly

48.4600, 45.6250, 50.5084

# Monochromacy



## Original Color

48.0660, 45.7389, 48.9430

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

46.0495, 46.6940, 50.8417

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.0660, 45.7389, 48.9430 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, 172, 179)` looks like.

```
.text, #text, p{  
    color:rgb(205, 172, 179)  
}
```

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, 172, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 172, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 48.0660, 45.7389, 48.9430 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".

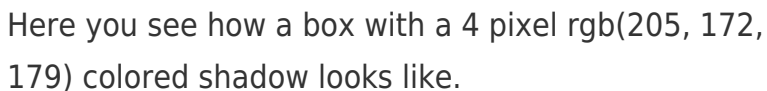
```
.border, #border, table{ border:4px solid rgb(205, 172, 179) }
```



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

```
.border{ border-color:rgb(205, 172, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 172, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 172, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 172, 179);  
box-shadow:4px 4px 4px 4px rgb(205, 172,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.0660, 45.7389, 48.9430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 172, 179) }
```

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

```
.background{ background-color: rgb(205,  
172, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor