

# Converting Colors

XYZ(48.1137, 45.5023, 63.5667)

Have a look what the booklet for  
XYZ(48.1137, 45.5023, 63.5667)  
contains.

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# Color

**XYZ(48.1573, 45.4668,  
63.3645)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3ACCC
RGB	195, 172, 204
RGB Percent	76%, 67%, 80%
CMY	0.2353, 0.3255, 0.2000
CMYK	0.04, 0.16, 0.00, 0.20
HSL	283°, 24%, 74%
HSV	283°, 16%, 80%
XYZ	48.1573, 45.4668, 63.3645
YIQ	182.5250, 3.4360, 14.8280

# Conversions

## Conversions Part 2

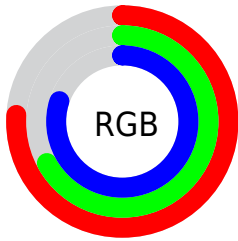
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 172, 204
Decimal	12823756
CIE <sub>Lab</sub>	73.20, 14.13, -13.19
CIE <sub>LCh</sub>	73, 19.329, 316.979
Yxy	45.4668, 0.3068, 0.2896
Android (android.graphics.Color)	4291013836 (0xFFC3ACCC)
YUV	182.5250, 10.5872, 10.9406
Hunter-Lab	67.4291, 9.4824, -8.5157

# Details

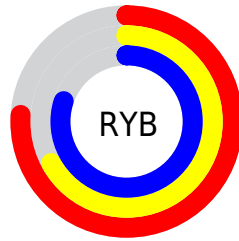
The XYZ color **48.1573, 45.4668, 63.3645** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.0969, 55.9892, 47.3040**, and the grayscale version is **44.6936, 47.0211, 51.2060**.

A 20% lighter version of the original color is **85.6640, 82.8536, 106.0851**, and **23.2060, 21.2977, 31.7419** is the 20% darker color. If you saturate the color by 10%, you get **43.1151, 37.5405, 62.1010**, and if you desaturate by 10%, it is **53.8552, 54.6183, 64.8313**.

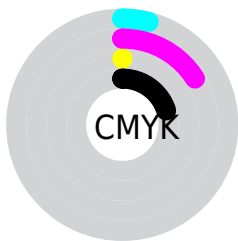
# Distribution



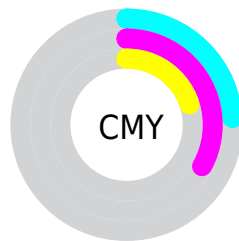
- Red (76%)
- Green (67%)
- Blue (80%)



- Red (76%)
- Yellow (67%)
- Blue (80%)



- Cyan (4%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (24%)
- Magenta (33%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1573, 45.4668, 63.3645 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 48.1573, 45.4668, 63.3645 by changing the saturation by 10% instead.



■ 48.1573, 45.4668,  
63.3645

■ 48.1573, 45.4668,  
63.3645

369.9875,  
368.6608, 455.0354

■ 34.1632, 31.8253,  
45.6933

■ 86.6468, 83.4205,  
111.2859

■ 23.1825, 21.2281,  
31.6569

111.8730,  
108.5014, 142.3730

■ 14.8498, 13.2908,  
20.8369

141.5740,  
138.1642, 178.7693

■ 8.7996, 7.6291,  
12.8148

176.1150,  
172.7933, 220.8932

■ 4.6668, 3.8586,  
7.1719

215.8616,  
212.7732, 269.1632

■ 2.0858, 1.5948,  
3.4898

261.1789,

■ 0.6815, 0.3541,

258.4881, 323.9978

1.3498

312.4324,  
310.3225, 385.8158

■ 0.0000, 0.0000,  
0.1021

■ 0.0000, 0.0000,  
0.0000

■ 48.1573, 45.4668,  
63.3645

■ 48.1573, 45.4668,  
63.3645

■ 43.1151, 37.5405,  
62.1010

■ 53.8552, 54.6183,  
64.8313

■ 38.6968, 30.7791,  
61.0288

■ 60.2306, 65.0402,  
66.5069

■ 34.8738, 25.1258,  
60.1391

■ 67.3095, 76.7825,  
68.4003

■ 31.6139, 20.5167,  
59.4213

■ 75.1151, 89.8909,  
70.5191

■ 28.8811, 16.8813,  
58.8636

■ 77.3038, 91.6776,  
70.7486

■ 26.6354, 14.1401,  
58.4529

■ 79.1091, 92.6082,  
70.8331

■ 24.8299, 12.2009,  
58.1737

■ 80.9750, 93.5701,  
70.9204

■ 23.4073, 10.9497,  
58.0072

■ 82.9020, 94.5635,  
71.0106

■ 22.8644, 10.5279,  
57.9544

■ 84.8907, 95.5887,  
71.1036

# Harmonies

## Analogous

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



45.1462, 45.4668, 69.5905



48.1573, 45.4668, 63.3645



49.8812, 45.4668, 53.8316

# Triad

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



48.1573, 45.4668, 63.3645



44.7001, 45.4668, 33.4552



37.2761, 45.4668, 55.1591

# Complementary

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



48.1573, 45.4668, 63.3645



48.0969, 55.9892, 47.3040

# 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.



37.1706, 45.4668, 45.4178



48.1573, 45.4668, 63.3645



41.3393, 45.4668, 33.7128

# Square

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



48.1573, 45.4668, 63.3645



47.8160, 45.4668, 37.0741



38.6227, 45.4668, 37.8309



38.9187, 45.4668, 64.4452



# Rectangle

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



48.1573, 45.4668, 63.3645



50.0126, 45.4668, 47.2720



38.6227, 45.4668, 37.8309



37.0628, 45.4668, 51.8085

# Sweetspot

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



48.1587, 45.4687, 63.3655



89.8095, 91.4594, 107.5277



44.4516, 46.2071, 63.7034



19.0703, 19.3285, 22.9756



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.



48.1587, 45.4687, 63.3655



76.6570, 70.3944, 104.1550



49.7414, 46.3786, 59.1948



11.3680, 11.2390, 14.1406



14.4857, 6.6752, 36.4812



0.8190, 0.3813, 1.8854



# Inverse Universe

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



47.9964, 45.6806, 50.0057



76.3857, 70.8446, 77.4816



46.7377, 55.2095, 50.8076



11.3399, 11.2647, 12.3244



16.1790, 8.2822, 3.3951



0.8676, 0.4404, 0.3486



# Previews

## White Background



This preview shows how the XYZ color 48.1573, 45.4668, 63.3645 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

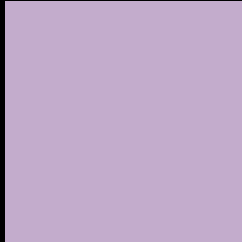
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.1573, 45.4668, 63.3645 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 48.1573, 45.4668, 63.3645**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.1573, 45.4668, 63.3645.



This preview shows how white text looks on a background with the XYZ color 48.1573, 45.4668,



# 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

48.1573, 45.4668, 63.3645

### Protanopia

44.7611, 45.3935, 66.0772

### Deuteranopia

46.3592, 45.4108, 62.8217



## Tritanopia

46.3994, 45.6282, 53.9386

# Trichromacy



## Original Color

48.1573, 45.4668, 63.3645

## Protanomaly

46.0792, 45.5007, 65.3854

## Deuteranomaly

46.9018, 45.4027, 62.7915

## Tritanomaly

47.1218, 45.6365, 57.3641

# Monochromacy



## Original Color

48.1573, 45.4668, 63.3645

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

46.0176, 46.5666, 55.8531

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.1573, 45.4668, 63.3645 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(195, 172, 204)` looks like.

```
.text, #text, p{  
    color:rgb(195, 172, 204)  
}
```

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(195, 172, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 172, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 48.1573, 45.4668, 63.3645 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(195, 172, 204) }
```



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

```
.border{ border-color:rgb(195, 172, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 172, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 172, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 172, 204);  
box-shadow:4px 4px 4px 4px rgb(195, 172,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.1573, 45.4668, 63.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 172, 204) }
```

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

```
.background{ background-color: rgb(195,  
172, 204) }
```

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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