

# Converting Colors

XYZ(48.7141, 45.1594, 55.1355)

Have a look what the booklet for  
XYZ(48.7141, 45.1594, 55.1355)  
contains.

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# Color

**XYZ(48.6591, 45.0728,  
54.8505)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDA9BE
RGB	205, 169, 190
RGB Percent	80%, 66%, 75%
CMY	0.1961, 0.3372, 0.2549
CMYK	0.00, 0.18, 0.07, 0.20
HSL	325°, 26%, 73%
HSV	325°, 18%, 80%
XYZ	48.6591, 45.0728, 54.8505
YIQ	182.1580, 14.7150, 14.1630

# Conversions

## Conversions Part 2

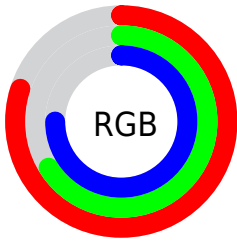
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 169, 190
Decimal	13478334
CIE Lab	72.94, 16.63, -5.79
CIE LCh	73, 17.605, 340.792
Yxy	45.0728, 0.3275, 0.3034
Android (android.graphics.Color)	4291668414 (0xFFCDA9BE)
YUV	182.1580, 3.8661, 20.0324
Hunter-Lab	67.1363, 11.8849, -1.4447

# Details

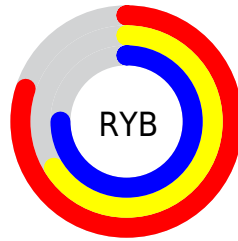
The XYZ color **48.6591, 45.0728, 54.8505** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.8471, 55.5596, 53.6051**, and the grayscale version is **44.5246, 46.8433, 51.0124**.

A 20% lighter version of the original color is **84.5302, 81.2251, 98.4116**, and **23.4543, 21.0128, 26.4866** is the 20% darker color. If you saturate the color by 10%, you get **44.2340, 37.6729, 48.9033**, and if you desaturate by 10%, it is **53.7395, 53.6945, 61.2872**.

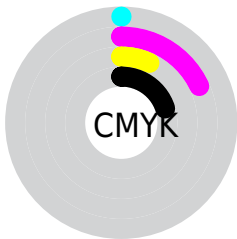
# Distribution



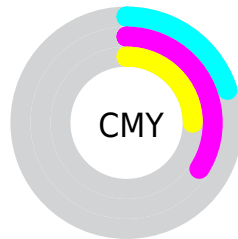
- Red (80%)
- Green (66%)
- Blue (75%)



- Red (80%)
- Yellow (66%)
- Blue (75%)



- Cyan (0%)
- Magenta (18%)
- Yellow (7%)
- Black (20%)




- Cyan (20%)
- Magenta (34%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6591, 45.0728, 54.8505 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 48.6591, 45.0728, 54.8505 by changing the saturation by 10% instead.





 48.6591, 45.0728,  
54.8505


 48.6591, 45.0728,  
54.8505


371.9380,  
367.0683, 422.6109

 34.5626, 31.5148,  
38.8842


 87.3887, 82.8296,  
98.7908

 23.4910, 20.9911,  
26.3626


 112.7525,  
107.7973, 127.6020

 15.0792, 13.1175,  
16.8669


142.6027,  
137.3368, 161.5319

 8.9617, 7.5095,  
9.9787

177.3047,  
171.8328, 200.9990

 4.7731, 3.7827,  
5.2794

217.2239,  
211.6695, 246.4219

 2.1481, 1.5528,  
2.3505

262.7256,

 0.7152, 0.3255,

257.2314, 298.2192

0.7593

314.1752,  
308.9029, 356.8094

■ 0.0000, 0.0000,  
0.0000

■ 48.6591, 45.0728,  
54.8505

■ 48.6591, 45.0728,  
54.8505

■ 44.2340, 37.6729,  
48.9033

■ 53.7395, 53.6945,  
61.2872

■ 40.4316, 31.4327,  
43.4286

■ 59.4980, 63.5842,  
68.2239

■ 37.2222, 26.2940,  
38.4124

■ 65.9615, 74.7932,  
75.6745

■ 34.5721, 22.1910,  
33.8385

■ 73.1538, 87.3681,  
83.6512

■ 32.4441, 19.0506,  
29.6896

■ 75.6043, 90.3662,  
90.3345

■ 30.7959, 16.7903,  
25.9464

■ 76.8527, 90.8655,  
96.9086

■ 29.5786, 15.3135,  
22.5874

■ 78.1610, 91.3888,  
103.7979

■ 28.7233, 14.4847,  
19.5841

■ 78.9871, 91.7193,  
108.1483

■ 28.5416, 14.3251,  
18.8951

# Harmonies

## Analogous

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



46.8131, 45.0728, 63.0184



48.6591, 45.0728, 54.8505



48.9036, 45.0728, 45.9792

# Triad

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



48.6591, 45.0728, 54.8505



41.7447, 45.0728, 34.2745



38.5255, 45.0728, 60.9687

# Complementary

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



48.6591, 45.0728, 54.8505



46.8471, 55.5596, 53.6051

# 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.



37.3002, 45.0728, 52.3101



48.6591, 45.0728, 54.8505



39.0989, 45.0728, 37.3595

# Square

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



48.6591, 45.0728, 54.8505



44.8116, 45.0728, 34.7824



37.5050, 45.0728, 43.7228



40.9277, 45.0728, 66.8320



# Rectangle

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



48.6591, 45.0728, 54.8505



48.1131, 45.0728, 40.9221



37.5050, 45.0728, 43.7228



37.9676, 45.0728, 58.2483

# Sweetspot

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



48.6604, 45.0748, 54.8515



90.2728, 91.7957, 103.1458



44.9764, 42.9763, 63.6831



19.1834, 19.4106, 21.9080



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.



48.6604, 45.0748, 54.8515



76.8947, 69.1086, 86.1417



46.8129, 44.3358, 45.1224



11.4821, 11.3216, 13.0735



17.8163, 8.9371, 12.0173



0.9564, 0.4760, 0.8163



# Inverse Universe

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



48.6604, 45.0748, 54.8515



76.8947, 69.1086, 86.1417



48.8557, 56.3631, 64.1822



11.4821, 11.3216, 13.0735



17.8163, 8.9371, 12.0173



0.9564, 0.4760, 0.8163



# Previews

## White Background



This preview shows how the XYZ color 48.6591, 45.0728, 54.8505 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

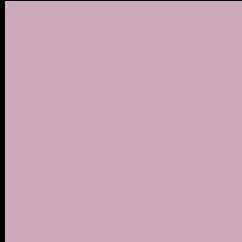
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.6591, 45.0728, 54.8505 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

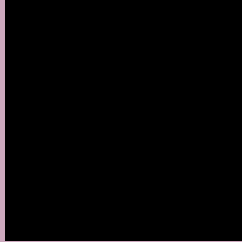
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 48.6591, 45.0728, 54.8505

## Background



This preview shows how black text looks on a background with the XYZ color 48.6591, 45.0728, 54.8505.



This preview shows how white text looks on a background with the XYZ color 48.6591, 45.0728,



# 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

48.6591, 45.0728, 54.8505

### Protanopia

44.2443, 45.2913, 58.6347

### Deuteranopia

46.0596, 45.1527, 54.4319



## Tritanopia

47.8238, 45.0057, 50.9661

# Trichromacy



## Original Color

48.6591, 45.0728, 54.8505

## Protanomaly

45.8066, 45.2464, 57.3581

## Deuteranomaly

46.9638, 45.0495, 54.3643

## Tritanomaly

48.1395, 45.1320, 52.6285

# Monochromacy



## Original Color

48.6591, 45.0728, 54.8505

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

45.7143, 45.8942, 52.3480

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.6591, 45.0728, 54.8505 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, 169, 190)` looks like.

```
.text, #text, p{  
    color:rgb(205, 169, 190)  
}
```

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, 169, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 169, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 48.6591, 45.0728, 54.8505 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, 169, 190) }
```



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

```
.border{ border-color:rgb(205, 169, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 169, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 169, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 169, 190);  
box-shadow:4px 4px 4px 4px rgb(205, 169,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.6591, 45.0728, 54.8505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 169, 190) }
```

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

```
.background{ background-color: rgb(205,  
169, 190) }
```

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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