

# Converting Colors

XYZ(46.4712, 42.5208, 45.6567)

Have a look what the booklet for  
XYZ(46.4712, 42.5208, 45.6567)  
contains.

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# Color

**XYZ(46.4693, 42.5158,  
45.8016)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFA3AE
RGB	207, 163, 174
RGB Percent	81%, 64%, 68%
CMY	0.1882, 0.3608, 0.3176
CMYK	0.00, 0.21, 0.16, 0.19
HSL	345°, 31%, 73%
HSV	345°, 21%, 81%
XYZ	46.4693, 42.5158, 45.8016
YIQ	177.4100, 22.6930, 12.7490

# Conversions

## Conversions Part 2

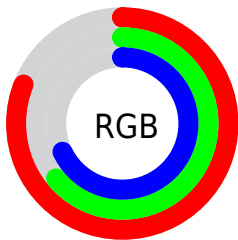
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 163, 174
Decimal	13607854
CIE Lab	71.23, 17.92, 0.53
CIE LCh	71, 17.932, 1.705
Yxy	42.5158, 0.3448, 0.3154
Android (android.graphics.Color)	4291797934 (0xFFCFA3AE)
YUV	177.4100, -1.6811, 25.9504
Hunter-Lab	65.2041, 13.1051, 3.9956

# Details

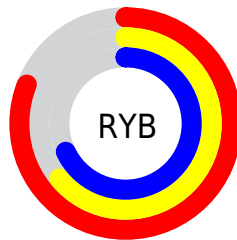
The XYZ color **46.4693, 42.5158, 45.8016** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.3826, 56.3987, 60.6160**, and the grayscale version is **42.0068, 44.1944, 48.1277**.

A 20% lighter version of the original color is **80.4543, 77.0600, 84.7624**, and **22.1462, 19.4494, 20.9992** is the 20% darker color. If you saturate the color by 10%, you get **41.6633, 35.1874, 37.1584**, and if you desaturate by 10%, it is **52.0543, 51.1212, 55.5687**.

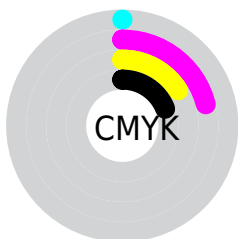
# Distribution



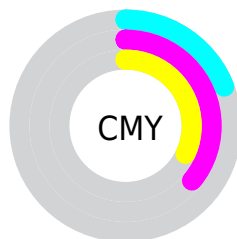
- Red (81%)
- Green (64%)
- Blue (68%)



- Red (81%)
- Yellow (64%)
- Blue (68%)



- Cyan (0%)
- Magenta (21%)
- Yellow (16%)
- Black (19%)




- Cyan (19%)
- Magenta (36%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4693, 42.5158, 45.8016 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 46.4693, 42.5158, 45.8016 by changing the saturation by 10% instead.





 46.4693, 42.5158,  
45.8016


 46.4693, 42.5158,  
45.8016


363.3766,  
356.6167, 386.2648

 32.8225, 29.5054,  
31.7418


 84.1445, 78.9797,  
85.2531

 22.1491, 19.4635,  
20.9011


 108.9036,  
103.2019, 111.4819

 14.0837, 12.0056,  
12.8612


138.0975,  
131.9302, 142.6041

 8.2610, 6.7475,  
7.2034

172.0916,  
165.5490, 179.0382

 4.3156, 3.3047,  
3.5093

211.2511,  
204.4427, 221.2028

 1.8822, 1.2928,  
1.3602

255.9416,

 0.5665, 0.1356,

248.9956, 269.5164

0.1104

306.5283,  
299.5921, 324.3976

■ 0.0000, 0.0000,  
0.0000

■ 46.4693, 42.5158,  
45.8016

■ 46.4693, 42.5158,  
45.8016

■ 41.6633, 35.1874,  
37.1584

■ 52.0543, 51.1212,  
55.5687

■ 37.5974, 29.0693,  
29.5955

■ 58.4476, 61.0545,  
66.4959

■ 34.2351, 24.0977,  
23.0701

■ 65.6813, 72.3710,  
78.6210

■ 31.5348, 20.2004,  
17.5358

■ 73.7847, 85.1210,  
91.9793

■ 29.4507, 17.2969,  
12.9421

■ 79.0049, 91.7905,  
105.3442

■ 27.9307, 15.2955,  
9.2340

■ 79.5423, 92.0055,  
108.1743

■ 26.9136, 14.0868,  
6.3498

■ 26.3462, 13.5111,  
4.4371

# Harmonies

## Analogous

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



45.7179, 42.5158, 54.5937



46.4693, 42.5158, 45.8016



45.5314, 42.5158, 38.1239

# Triad

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



46.4693, 42.5158, 45.8016



37.4469, 42.5158, 33.5853



37.7307, 42.5158, 62.4574

# Complementary

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



46.4693, 42.5158, 45.8016



47.3826, 56.3987, 60.6160

# 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.



35.6878, 42.5158, 55.5517



46.4693, 42.5158, 45.8016



35.5297, 42.5158, 38.8785

# Square

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



46.4693, 42.5158, 45.8016



40.2382, 42.5158, 31.6350



34.9017, 42.5158, 46.7869



40.5822, 42.5158, 64.8953



# Rectangle

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



46.4693, 42.5158, 45.8016



44.1001, 42.5158, 34.4746



34.9017, 42.5158, 46.7869



36.9317, 42.5158, 60.5426

# Sweetspot

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



46.4705, 42.5177, 45.8025



88.5688, 89.9065, 97.8951



47.1261, 42.4372, 64.7393



18.8127, 19.0189, 20.7062



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.



46.4705, 42.5177, 45.8025



70.4253, 61.9471, 66.1743



47.4804, 46.1837, 41.0646



11.9282, 11.8560, 12.8978



16.6315, 8.5254, 2.9655



0.9624, 0.4897, 0.3366



# Inverse Universe

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



46.4705, 42.5177, 45.8025



70.4253, 61.9471, 66.1743



46.1082, 51.7727, 66.5948



11.9282, 11.8560, 12.8978



16.6315, 8.5254, 2.9655



0.9624, 0.4897, 0.3366



# Previews

## White Background



This preview shows how the XYZ color 46.4693, 42.5158, 45.8016 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

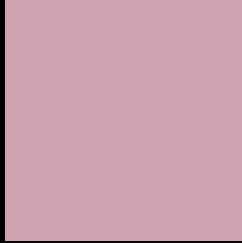
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.4693, 42.5158, 45.8016 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

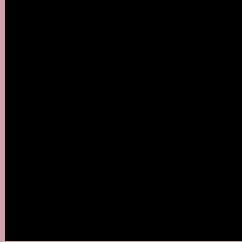
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.4693, 42.5158, 45.8016**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4693, 42.5158, 45.8016.



This preview shows how white text looks on a background with the XYZ color 46.4693, 42.5158,



# 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

46.4693, 42.5158, 45.8016

### Protanopia

41.2788, 42.7975, 49.2651

### Deuteranopia

43.4690, 42.5995, 45.4666



## Tritanopia

46.5672, 42.5549, 46.3170

# Trichromacy



## Original Color

46.4693, 42.5158, 45.8016

## Protanomaly

42.9041, 42.5286, 48.0670

## Deuteranomaly

44.3875, 42.5249, 45.4038

## Tritanomaly

46.5672, 42.5549, 46.3170

# Monochromacy



## Original Color

46.4693, 42.5158, 45.8016

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

43.3280, 43.3310, 47.1544

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4693, 42.5158, 45.8016 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(207, 163, 174)` looks like.

```
.text, #text, p{  
    color:rgb(207, 163, 174)  
}
```

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(207, 163, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 163, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4693, 42.5158, 45.8016 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(207, 163, 174) }
```



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

```
.border{ border-color:rgb(207, 163, 174) }
```

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

Here you see how a box with a 4 pixel rgb(207, 163, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 163, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 163, 174);  
box-shadow:4px 4px 4px 4px rgb(207, 163,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4693, 42.5158, 45.8016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 163, 174) }
```

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

```
.background{ background-color: rgb(207,  
163, 174) }
```

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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