

# Converting Colors

XYZ(45.2897, 48.5791, 35.0608)

Have a look what the booklet for  
XYZ(45.2897, 48.5791, 35.0608)  
contains.

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# **Color**

**XYZ(45.1999, 48.4381,  
34.9842)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3B994
RGB	195, 185, 148
RGB Percent	76%, 73%, 58%
CMY	0.2353, 0.2745, 0.4196
CMYK	0.00, 0.05, 0.24, 0.24
HSL	47°, 28%, 67%
HSV	47°, 24%, 76%
XYZ	45.1999, 48.4381, 34.9842
YIQ	183.7720, 17.8370, -9.3870

# Conversions

## Conversions Part 2

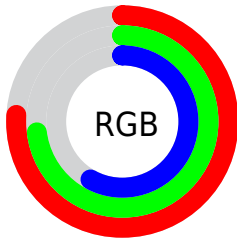
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">161, 195, 148</a>
Decimal	<a href="#">12827028</a>
CIELab	<a href="#">75.10, -2.40, 20.09</a>
CIElCh	<a href="#">75, 20.229, 96.814</a>
Yxy	<a href="#">48.4381, 0.3514, 0.3766</a>
Android (android.graphics.Color)	<a href="#">4291017108 (0xFFC3B994)</a>
YUV	<a href="#">183.7720, -17.6356, 9.8470</a>
Hunter-Lab	<a href="#">69.5975, -5.8693, 18.9152</a>

# Details

The XYZ color **45.1999, 48.4381, 34.9842** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.2898, 34.6889, 56.5183**, and the grayscale version is **45.5225, 47.8932, 52.1557**.

A 20% lighter version of the original color is **82.2609, 87.8703, 68.5022**, and **21.3934, 23.0283, 14.6266** is the 20% darker color. If you saturate the color by 10%, you get **42.9301, 46.1638, 27.2435**, and if you desaturate by 10%, it is **47.7576, 50.8714, 44.1049**.

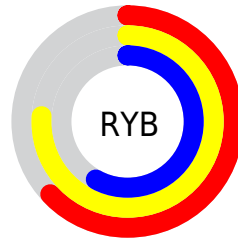
# Distribution



Red (76%)

Green (73%)

Blue (58%)



Red (63%)

Yellow (76%)

Blue (58%)

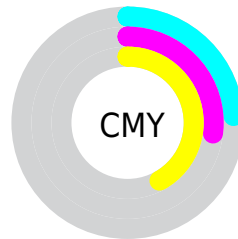


Cyan (0%)

Magenta (5%)

Yellow (24%)

Black (24%)



Cyan (24%)

Magenta (27%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1999, 48.4381, 34.9842 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 45.1999, 48.4381, 34.9842 by changing the saturation by 10% instead.




 45.1999, 48.4381,  
34.9842

 45.1999, 48.4381,  
34.9842


358.3526,  
380.5260, 339.4007

 31.8169, 34.1740,  
23.3672

 82.2555, 87.8563,  
68.6126

 21.3765, 23.0273,  
14.6571


 106.6588,  
113.7792, 91.4611

 13.5135, 14.6136,  
8.4351


135.4662,  
144.3571, 118.8905

 7.8625, 8.5487,  
4.2829

169.0431,  
179.9745, 151.3195

 4.0582, 4.4480,  
1.7818

207.7549,  
221.0156, 189.1664

 1.7351, 1.9272,  
0.4159

251.9668,

 0.4781, 0.5646,

267.8650, 232.8499

0.0000

302.0443,  
320.9070, 282.7885

■ 0.0000, 0.0000,  
0.0000

■ 45.1999, 48.4381,  
34.9842

■ 45.1999, 48.4381,  
34.9842

■ 42.9301, 46.1638,  
27.2435

■ 47.7576, 50.8714,  
44.1049

■ 40.9312, 44.0364,  
20.8110

■ 50.6118, 53.4624,  
54.6664

■ 39.1900, 42.0518,  
15.6133

■ 53.7752, 56.2183,  
66.7296

■ 37.6909, 40.2036,  
11.5681

■ 57.2587, 59.1438,  
80.3508

■ 36.4160, 38.4841,  
8.5835

■ 61.0728, 62.2433,  
95.5837

■ 35.3450, 36.8850,  
6.5531

■ 63.5747, 64.8600,  
103.7762

■ 34.4533, 35.3959,  
5.3483

■ 64.6112, 66.9330,  
104.1217

■ 33.9837, 34.5581,  
4.8792

■ 65.6744, 69.0595,  
104.4761

■ 66.7646, 71.2398,  
104.8395

# Harmonies

## Analogous

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



48.8976, 48.4381, 36.1390



45.1999, 48.4381, 34.9842



41.9056, 48.4381, 38.0510

# Triad

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



45.1999, 48.4381, 34.9842



40.5742, 48.4381, 65.9183



52.8943, 48.4381, 61.1777

# Complementary

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



45.1999, 48.4381, 34.9842



34.2898, 34.6889, 56.5183

# 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.



50.4356, 48.4381, 70.7950



45.1999, 48.4381, 34.9842



43.2940, 48.4381, 73.7780

# Square

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



45.1999, 48.4381, 34.9842



39.3291, 48.4381, 55.1957



46.8883, 48.4381, 75.6726



53.4716, 48.4381, 50.3599



# Rectangle

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



45.1999, 48.4381, 34.9842



40.3372, 48.4381, 42.3547



46.8883, 48.4381, 75.6726



52.2542, 48.4381, 64.6996

# Sweetspot

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



45.2012, 48.4403, 34.9852



89.0519, 94.3259, 91.9428



39.2834, 35.2575, 37.1661



19.4312, 20.5930, 19.8730



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

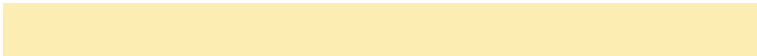


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.2012, 48.4403, 34.9852



78.7184, 84.5428, 54.9444



44.0775, 51.0752, 35.5530



10.7257, 11.3829, 10.6937



22.1504, 22.5865, 3.1922



1.0036, 1.0690, 0.1534



# Inverse Universe

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



34.2898, 34.6889, 56.5183



55.7604, 55.6140, 100.2655



35.2026, 32.7306, 56.0922



9.6981, 10.0875, 12.7208



6.9790, 3.7145, 33.9057



0.3531, 0.2637, 1.4822



# Previews

## White Background



This preview shows how the XYZ color 45.1999, 48.4381, 34.9842 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 45.1999, 48.4381, 34.9842 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

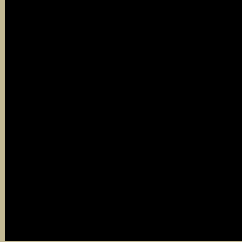
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.1999, 48.4381, 34.9842

## Background



This preview shows how black text looks on a background with the XYZ color 45.1999, 48.4381, 34.9842.



This preview shows how white text looks on a background with the XYZ color 45.1999, 48.4381,



# 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

45.1999, 48.4381, 34.9842

### Protanopia

45.4592, 48.5718, 34.9963

### Deuteranopia

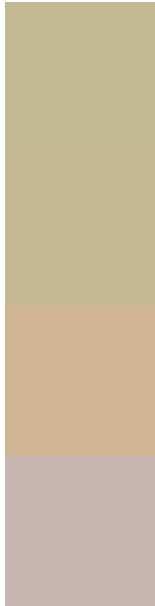
49.3695, 48.4578, 35.1850



## Tritanopia

49.8331, 48.5080, 57.1886

# Trichromacy



## Original Color

45.1999, 48.4381, 34.9842

## Protanomaly

45.4592, 48.5718, 34.9963

## Deuteranomaly

47.9611, 48.6276, 35.2920

## Tritanomaly

48.0129, 48.3642, 48.3996

# Monochromacy



## Original Color

45.1999, 48.4381, 34.9842

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

45.2302, 47.9126, 45.3922

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.1999, 48.4381, 34.9842 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, 185, 148)` looks like.

```
.text, #text, p{  
    color:rgb(195, 185, 148)  
}
```

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, 185, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 185, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 45.1999, 48.4381, 34.9842 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, 185, 148) }
```



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

```
.border{ border-color:rgb(195, 185, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 185, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 185, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 185, 148);  
box-shadow:4px 4px 4px 4px rgb(195, 185,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.1999, 48.4381, 34.9842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 185, 148) }
```

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

```
.background{ background-color: rgb(195,  
185, 148) }
```

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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