

# Converting Colors

XYZ(46.6776, 49.2354, 35.4772)

Have a look what the booklet for  
XYZ(46.6776, 49.2354, 35.4772)  
contains.

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# Color

**XYZ(46.5932, 49.1472,  
35.4644)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8B995
RGB	200, 185, 149
RGB Percent	78%, 73%, 58%
CMY	0.2157, 0.2745, 0.4157
CMYK	0.00, 0.07, 0.25, 0.22
HSL	42°, 32%, 68%
HSV	42°, 25%, 78%
XYZ	46.5932, 49.1472, 35.4644
YIQ	185.3810, 20.4960, -8.0160

# Conversions

## Conversions Part 2

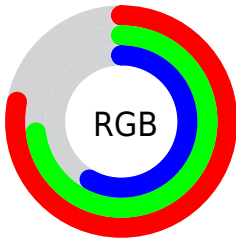
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 200, 149
Decimal	13154709
CIE <sub>Lab</sub>	75.54, -0.34, 20.23
CIE <sub>LCh</sub>	76, 20.228, 90.956
Y <sub>xy</sub>	49.1472, 0.3551, 0.3746
Android (android.graphics.Color)	4291344789 (0xFFC8B995)
YUV	185.3810, -17.9358, 12.8209
Hunter-Lab	70.1051, -4.0493, 19.0802

# Details

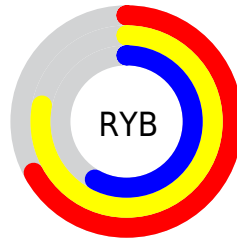
The XYZ color **46.5932, 49.1472, 35.4644** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.0950, 37.1097, 59.9043**, and the grayscale version is **46.4162, 48.8334, 53.1796**.

A 20% lighter version of the original color is **83.4748, 88.4824, 69.1791**, and **22.1329, 23.4041, 14.9062** is the 20% darker color. If you saturate the color by 10%, you get **43.9271, 46.1545, 27.3629**, and if you desaturate by 10%, it is **49.5870, 52.3558, 45.0291**.

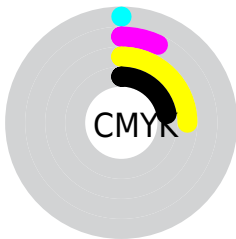
# Distribution



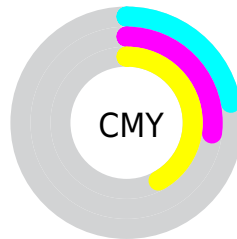
- Red (78%)
- Green (73%)
- Blue (58%)



- Red (67%)
- Yellow (78%)
- Blue (58%)



- Cyan (0%)
- Magenta (7%)
- Yellow (25%)
- Black (22%)




- Cyan (22%)
- Magenta (27%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5932, 49.1472, 35.4644 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 46.5932, 49.1472, 35.4644 by changing the saturation by 10% instead.





 46.5932, 49.1472,  
35.4644


 46.5932, 49.1472,  
35.4644


363.8645,  
383.3215, 341.5798

 32.9208, 34.7363,  
23.7344


 84.3285, 88.9100,  
69.3643

 22.2247, 23.4598,  
14.9264


 109.1221,  
115.0307, 92.3713

 14.1396, 14.9334,  
8.6217


138.3535,  
145.8235, 119.9743

 8.3002, 8.7726,  
4.4018

172.3880,  
181.6726, 152.5920

 4.3410, 4.5932,  
1.8483

211.5910,  
222.9626, 190.6429

 1.8968, 2.0106,  
0.4595

256.3279,

 0.5750, 0.6136,

270.0778, 234.5454

0.0000

306.9639,  
323.4027, 284.7182

0.0000, 0.0000,  
0.0000

46.5932, 49.1472,  
35.4644

46.5932, 49.1472,  
35.4644

43.9271, 46.1545,  
27.3629

49.5870, 52.3558,  
45.0291

41.5703, 43.3643,  
20.6476

52.9183, 55.7801,  
56.1226

39.5081, 40.7713,  
15.2389

56.6010, 59.4283,  
68.8103

37.7231, 38.3677,  
11.0480

60.6474, 63.3062,  
83.1529

36.1957, 36.1446,  
7.9748

65.0688, 67.4192,  
99.2077

■ 34.9032, 34.0919,  
5.9033

■ 67.5387, 70.8377,  
104.7211

■ 33.8179, 32.1973,  
4.6908

■ 69.1121, 73.9845,  
105.2456

■ 33.3730, 31.3863,  
4.2992

■ 70.7404, 77.2411,  
105.7883

■ 72.4240, 80.6084,  
106.3496

# Harmonies

## Analogous

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



50.2883, 49.1472, 37.4655



46.5932, 49.1472, 35.4644



43.1141, 49.1472, 37.7368

# Triad

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



46.5932, 49.1472, 35.4644



40.8189, 49.1472, 64.8093



53.2794, 49.1472, 64.1362

# Complementary

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



46.5932, 49.1472, 35.4644



36.0950, 37.1097, 59.9043

# 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.



50.5066, 49.1472, 73.1676



46.5932, 49.1472, 35.4644



43.3112, 49.1472, 73.5913

# Square

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



46.5932, 49.1472, 35.4644



39.8916, 49.1472, 53.8569



46.8329, 49.1472, 76.8339



54.2706, 49.1472, 53.1705



# Rectangle

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



46.5932, 49.1472, 35.4644



41.3525, 49.1472, 41.5705



46.8329, 49.1472, 76.8339



52.5177, 49.1472, 67.5480

# Sweetspot

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



46.5945, 49.1494, 35.4654



90.0539, 94.9875, 91.8827



41.2953, 36.4660, 40.1269



19.0837, 20.1356, 19.0251



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.



46.5945, 49.1494, 35.4654



77.8597, 81.9689, 52.7663



47.2647, 54.4002, 36.4436



11.2504, 11.8699, 11.2609



21.3004, 20.1179, 2.7605



1.0691, 1.0737, 0.1509



# Inverse Universe

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



36.0950, 37.1097, 59.9043



56.4111, 57.3802, 102.7100



35.5111, 33.0571, 59.1528



10.3066, 10.7873, 13.4564



7.6852, 4.7643, 35.2589

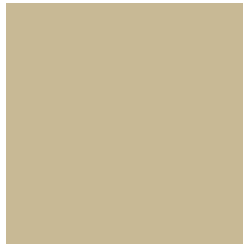


0.4279, 0.3535, 1.6908



# Previews

## White Background



This preview shows how the XYZ color 46.5932, 49.1472, 35.4644 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 46.5932, 49.1472, 35.4644 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 46.5932, 49.1472, 35.4644**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.5932, 49.1472, 35.4644.



This preview shows how white text looks on a background with the XYZ color 46.5932, 49.1472,

35.4644.

# 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

46.5932, 49.1472, 35.4644

### Protanopia

46.2724, 49.2935, 35.5095

### Deuteranopia

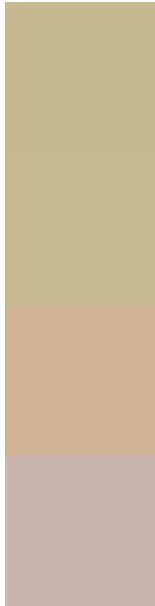
49.9440, 49.0411, 35.6877



## Tritanopia

50.9226, 49.0696, 57.2395

# Trichromacy



## Original Color

46.5932, 49.1472, 35.4644

## Protanomaly

46.5369, 49.4299, 35.5219

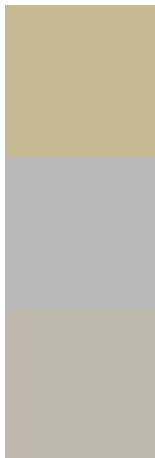
## Deuteranomaly

48.6072, 48.9514, 35.7408

## Tritanomaly

49.0883, 48.9186, 48.4500

# Monochromacy



## Original Color

46.5932, 49.1472, 35.4644

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

46.0306, 48.6236, 45.9890

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5932, 49.1472, 35.4644 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(200, 185, 149)` looks like.

```
.text, #text, p{  
    color:rgb(200, 185, 149)  
}
```

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(200, 185, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 185, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 46.5932, 49.1472, 35.4644 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(200, 185, 149) }
```



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

```
.border{ border-color:rgb(200, 185, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 185, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 185, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 185, 149);  
box-shadow:4px 4px 4px 4px rgb(200, 185,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5932, 49.1472, 35.4644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 185, 149) }
```

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

```
.background{ background-color: rgb(200,  
185, 149) }
```

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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