

# Converting Colors

XYZ(46.9532, 46.3324, 34.5026)

Have a look what the booklet for  
XYZ(46.9532, 46.3324, 34.5026)  
contains.

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# Color

**XYZ(46.9698, 46.3534,  
34.4885)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1AF94
RGB	209, 175, 148
RGB Percent	82%, 69%, 58%
CMY	0.1804, 0.3137, 0.4196
CMYK	0.00, 0.16, 0.29, 0.18
HSL	27°, 40%, 70%
HSV	27°, 29%, 82%
XYZ	46.9698, 46.3534, 34.4885
YIQ	182.0880, 28.9310, -1.1890

# Conversions

## Conversions Part 2

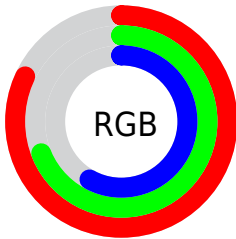
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 196, 148
Decimal	13741972
CIE <sub>Lab</sub>	73.77, 8.34, 18.45
CIE <sub>LCh</sub>	74, 20.250, 65.663
Yxy	46.3534, 0.3675, 0.3627
Android (android.graphics.Color)	4291932052 (0xFFD1AF94)
YUV	182.0880, -16.8054, 23.6018
Hunter-Lab	68.0833, 3.9990, 17.6242

# Details

The XYZ color **46.9698, 46.3534, 34.4885** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.4489, 44.3540, 66.7511**, and the grayscale version is **44.5900, 46.9122, 51.0873**.

A 20% lighter version of the original color is **80.4766, 82.6761, 67.5936**, and **22.5671, 21.8990, 14.3468** is the 20% darker color. If you saturate the color by 10%, you get **43.2928, 41.4119, 25.8249**, and if you desaturate by 10%, it is **51.1436, 51.8098, 44.7924**.

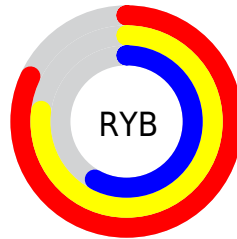
# Distribution



Red (82%)

Green (69%)

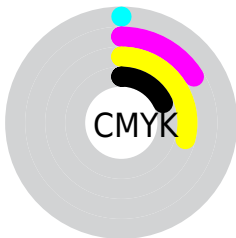
Blue (58%)



Red (82%)

Yellow (77%)

Blue (58%)

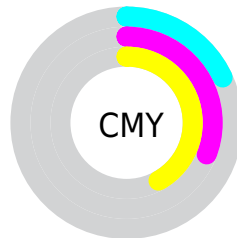


Cyan (0%)

Magenta (16%)

Yellow (29%)

Black (18%)



Cyan (18%)

Magenta (31%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9698, 46.3534, 34.4885 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 46.9698, 46.3534, 34.4885 by changing the saturation by 10% instead.





 46.9698, 46.3534,  
34.4885


 46.9698, 46.3534,  
34.4885


365.3449,  
372.2276, 337.1402

 33.2196, 32.5248,  
22.9887


 84.8876, 84.7476,  
67.8352

 22.4548, 21.7627,  
14.3800

 109.7859,  
110.0821, 90.5191

 14.3099, 13.6826,  
8.2437


139.1309,  
140.0205, 117.7683

 8.4197, 7.9002,  
4.1612

173.2881,  
174.9475, 150.0011

 4.4187, 4.0312,  
1.7142

212.6227,  
215.2473, 187.6362

 1.9416, 1.6910,  
0.3704

257.5001,

 0.6009, 0.4178,

261.3043, 231.0920

0.0000

308.2857,  
313.5029, 280.7872

■ 0.0000, 0.0000,  
0.0000

■ 46.9698, 46.3534,  
34.4885

■ 46.9698, 46.3534,  
34.4885

■ 43.2928, 41.4119,  
25.8249

■ 51.1436, 51.8098,  
44.7924

■ 40.0878, 36.9626,  
18.7123

■ 55.8301, 57.7902,  
56.8136

■ 37.3335, 32.9904,  
13.0573

■ 61.0489, 64.3113,  
70.6277

■ 35.0048, 29.4768,  
8.7552

■ 66.8177, 71.3872,  
86.3050

■ 33.0740, 26.4018,  
5.6869

■ 73.1529, 79.0315,  
103.9118

■ 31.5090, 23.7431,  
3.7120

■ 76.9642, 86.0146,  
107.1538

■ 30.2598, 21.4708,  
2.5983

■ 80.1046, 92.2954,  
108.2006

■ 30.1672, 21.3006,  
2.5214

# Harmonies

## Analogous

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



49.9193, 46.3534, 39.7807



46.9698, 46.3534, 34.4885



43.3785, 46.3534, 33.2139

# Triad

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



46.9698, 46.3534, 34.4885



37.5269, 46.3534, 52.4509



48.2143, 46.3534, 68.3360

# Complementary

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



46.9698, 46.3534, 34.4885



40.4489, 44.3540, 66.7511

# 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.



44.7435, 46.3534, 72.8605



46.9698, 46.3534, 34.4885



38.6736, 46.3534, 62.9229

# Square

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



46.9698, 46.3534, 34.4885



38.0513, 46.3534, 42.7399



41.2682, 46.3534, 70.7562



50.6647, 46.3534, 59.0822



# Rectangle

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



46.9698, 46.3534, 34.4885



41.1295, 46.3534, 34.6390



41.2682, 46.3534, 70.7562



47.1213, 46.3534, 70.5138

# Sweetspot

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



46.9710, 46.3555, 34.4895



87.6272, 90.7183, 89.2731



45.3870, 38.1365, 49.5330



18.5130, 19.1105, 18.4763



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.



46.9710, 46.3555, 34.4895



69.9937, 67.7914, 45.3522



53.4555, 59.3245, 36.6509



12.2333, 12.6573, 12.4104



18.6951, 13.3231, 1.5863



1.1238, 0.9019, 0.1149



# Inverse Universe

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



40.4489, 44.3540, 66.7511



58.1488, 64.1506, 103.9253



34.9610, 33.3781, 64.9218



11.7022, 12.4947, 15.0386



11.0803, 10.8073, 38.6945



0.6980, 0.7611, 2.1897



# Previews

## White Background



This preview shows how the XYZ color 46.9698, 46.3534, 34.4885 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

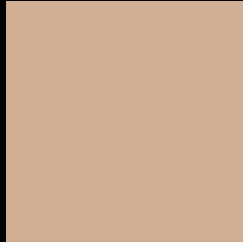
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.9698, 46.3534, 34.4885 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

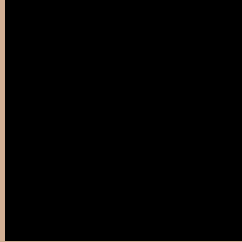
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.9698, 46.3534, 34.4885**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.9698, 46.3534, 34.4885.



This preview shows how white text looks on a background with the XYZ color 46.9698, 46.3534,

34.4885.

# 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

46.9698, 46.3534, 34.4885

### Protanopia

43.8480, 46.4886, 35.9403

### Deuteranopia

47.3453, 46.2591, 34.4505



## Tritanopia

50.3625, 46.3145, 51.0849

# Trichromacy



## Original Color

46.9698, 46.3534, 34.4885

## Protanomaly

44.9138, 46.4480, 35.4523

## Deuteranomaly

47.0597, 46.1119, 34.4371

## Tritanomaly

49.1596, 46.4044, 44.3962

# Monochromacy



## Original Color

46.9698, 46.3534, 34.4885

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

45.1140, 46.3489, 44.5987

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9698, 46.3534, 34.4885 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(209, 175, 148)` looks like.

```
.text, #text, p{  
    color:rgb(209, 175, 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(209, 175, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 175, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9698, 46.3534, 34.4885 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(209, 175, 148) }
```



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

```
.border{ border-color:rgb(209, 175, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 175, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 175, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 175, 148);  
box-shadow:4px 4px 4px 4px rgb(209, 175,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9698, 46.3534, 34.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 175, 148) }
```

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

```
.background{ background-color: rgb(209,  
175, 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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