

# Converting Colors

XYZ(48.2885, 49.4495, 35.6765)

Have a look what the booklet for  
XYZ(48.2885, 49.4495, 35.6765)  
contains.

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# **Color**

**XYZ(48.1706, 49.3344,  
35.8378)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFB796
RGB	207, 183, 150
RGB Percent	81%, 72%, 59%
CMY	0.1882, 0.2823, 0.4118
CMYK	0.00, 0.12, 0.28, 0.19
HSL	35°, 37%, 70%
HSV	35°, 28%, 81%
XYZ	48.1706, 49.3344, 35.8378
YIQ	186.4140, 24.8970, -5.1750

# Conversions

## Conversions Part 2

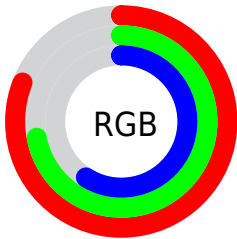
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 207, 150
Decimal	13612950
CIELab	75.66, 3.56, 19.94
CIELCh	76, 20.260, 79.874
Yxy	49.3344, 0.3613, 0.3700
Android (android.graphics.Color)	4291803030 (0xFFCFB796)
YUV	186.4140, -17.9521, 18.0539
Hunter-Lab	70.2385, -0.4993, 18.9153

# Details

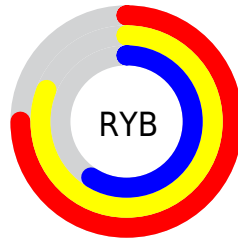
The XYZ color **48.1706, 49.3344, 35.8378** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.9758, 41.2598, 64.9412**, and the grayscale version is **46.9932, 49.4406, 53.8408**.

A 20% lighter version of the original color is **83.0056, 87.3526, 69.6126**, and **23.1837, 23.5415, 15.1264** is the 20% darker color. If you saturate the color by 10%, you get **44.9071, 45.2432, 27.2401**, and if you desaturate by 10%, it is **51.8425, 53.7705, 46.0255**.

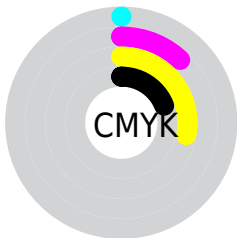
# Distribution



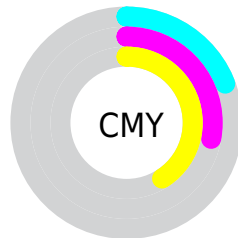
- Red (81%)
- Green (72%)
- Blue (59%)



- Red (75%)
- Yellow (81%)
- Blue (59%)



- Cyan (0%)
- Magenta (12%)
- Yellow (28%)
- Black (19%)




- Cyan (19%)
- Magenta (28%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1706, 49.3344, 35.8378 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 48.1706, 49.3344, 35.8378 by changing the saturation by 10% instead.





 48.1706, 49.3344,  
35.8378


 48.1706, 49.3344,  
35.8378


370.0393,  
384.0573, 343.2670

 34.1738, 34.8848,  
24.0203


 86.6665, 89.1879,  
69.9479

 23.1907, 23.5742,  
15.1363


 111.8964,  
115.3606, 93.0775

 14.8558, 15.0180,  
8.7674


141.6013,  
146.2098, 120.8148

 8.8039, 8.8320,  
4.4951

176.1466,  
182.1200, 153.5785

 4.6696, 4.6318,  
1.9007

215.8977,  
223.4754, 191.7870

 2.0875, 2.0329,  
0.4932

261.2200,

 0.6824, 0.6265,

270.6605, 235.8589

0.0000

312.4787,  
324.0596, 286.2127

■ 0.0000, 0.0000,  
0.0000

■ 48.1706, 49.3344,  
35.8378

■ 48.1706, 49.3344,  
35.8378

■ 44.9071, 45.2432,  
27.2401

■ 51.8425, 53.7705,  
46.0255

■ 42.0305, 41.4799,  
20.1470

■ 55.9352, 58.5544,  
57.8763

■ 39.5233, 38.0360,  
14.4697

■ 60.4653, 63.6974,  
71.4625

■ 37.3646, 34.8996,  
10.1089

■ 65.4474, 69.2084,  
86.8514

■ 35.5309, 32.0581,  
6.9520

■ 70.8950, 75.0957,  
104.1064

■ 33.9952, 29.4968,  
4.8674

■ 73.5736, 80.0682,  
106.1847

■ 32.7204, 27.1973,  
3.6715

■ 76.1340, 85.1892,  
107.0382

■ 32.4317, 26.6645,  
3.4374

■ 78.8185, 90.5581,  
107.9330

■ 79.5421, 92.0054,  
108.1742

# Harmonies

## Analogous

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



51.6952, 49.3344, 39.4178



48.1706, 49.3344, 35.8378



44.4811, 49.3344, 36.5360

# Triad

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



48.1706, 49.3344, 35.8378



40.4287, 49.3344, 61.0506



52.6258, 49.3344, 68.1616

# Complementary

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



48.1706, 49.3344, 35.8378



38.9758, 41.2598, 64.9412

# 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.



49.3862, 49.3344, 75.5824



48.1706, 49.3344, 35.8378



42.3938, 49.3344, 71.1127

# Square

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



48.1706, 49.3344, 35.8378



40.1420, 49.3344, 50.1658



45.6340, 49.3344, 76.7291



54.3567, 49.3344, 57.4315



# Rectangle

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



48.1706, 49.3344, 35.8378



42.4165, 49.3344, 39.3703



45.6340, 49.3344, 76.7291



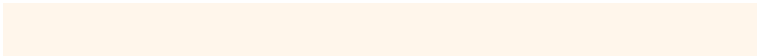
51.6693, 49.3344, 71.1831

# Sweetspot

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



48.1719, 49.3367, 35.8388



89.2589, 93.3976, 91.6177



44.3473, 38.1620, 45.4323



18.8830, 19.7342, 18.9582



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.



48.1719, 49.3367, 35.8388



74.0583, 75.1583, 49.0569



52.5011, 59.5524, 37.5825



12.3691, 12.9288, 12.4556



20.5288, 16.9907, 2.1975



1.2254, 1.1052, 0.1487



# Inverse Universe

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



38.9758, 41.2598, 64.9412



56.9494, 60.1361, 103.2136



35.4578, 33.1688, 63.5649



11.5668, 12.2239, 14.9935



9.3395, 7.3257, 38.1142



0.5999, 0.5651, 2.1570



# Previews

## White Background



This preview shows how the XYZ color 48.1706, 49.3344, 35.8378 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

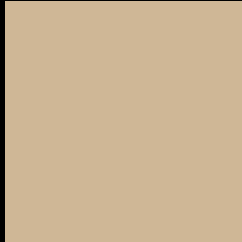
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.1706, 49.3344, 35.8378 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

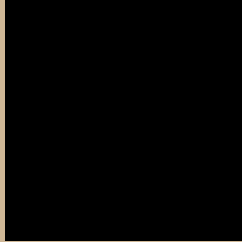
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.1706, 49.3344, 35.8378**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.1706, 49.3344, 35.8378.



This preview shows how white text looks on a background with the XYZ color 48.1706, 49.3344,

35.8378.

# 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

48.1706, 49.3344, 35.8378

### Protanopia

46.5151, 49.3906, 36.7875

### Deuteranopia

50.3213, 49.2263, 36.1276



## Tritanopia

52.2775, 49.2029, 56.0320

# Trichromacy



## Original Color

48.1706, 49.3344, 35.8378

## Protanomaly

47.0223, 49.3498, 36.3253

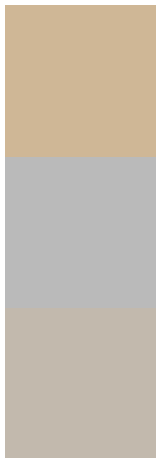
## Deuteranomaly

49.3477, 49.0230, 36.1396

## Tritanomaly

50.5349, 49.0764, 47.8835

# Monochromacy



## Original Color

48.1706, 49.3344, 35.8378

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

47.1399, 49.1844, 46.5442

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.1706, 49.3344, 35.8378 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, 183, 150)` looks like.

```
.text, #text, p{  
    color:rgb(207, 183, 150)  
}
```

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, 183, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 183, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 48.1706, 49.3344, 35.8378 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, 183, 150) }
```



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

```
.border{ border-color:rgb(207, 183, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 183, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 183, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 183, 150);  
box-shadow:4px 4px 4px 4px rgb(207, 183,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.1706, 49.3344, 35.8378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 183, 150) }
```

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

```
.background{ background-color: rgb(207,  
183, 150) }
```

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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