

# Converting Colors

XYZ(46.0574, 47.2515, 38.9973)

Have a look what the booklet for  
XYZ(46.0574, 47.2515, 38.9973)  
contains.

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# Color

**XYZ(46.0460, 47.2533,  
39.0417)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7B49E
RGB	199, 180, 158
RGB Percent	78%, 71%, 62%
CMY	0.2196, 0.2941, 0.3804
CMYK	0.00, 0.10, 0.21, 0.22
HSL	32°, 27%, 70%
HSV	32°, 21%, 78%
XYZ	46.0460, 47.2533, 39.0417
YIQ	183.1730, 18.3860, -2.8140

# Conversions

## Conversions Part 2

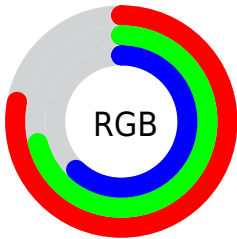
Format	Color
R <sub>Y</sub> B	193, 199, 158
Decimal	13087902
CIE Lab	74.35, 3.25, 13.69
CIE LCh	74, 14.072, 76.655
Yxy	47.2533, 0.3479, 0.3571
Android (android.graphics.Color)	4291277982 (0xFFC7B49E)
YUV	183.1730, -12.4103, 13.8803
Hunter-Lab	68.7410, -0.7291, 14.4448

# Details

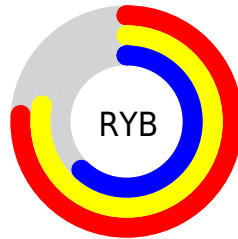
The XYZ color **46.0460, 47.2533, 39.0417** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.1312, 42.8358, 60.1860**, and the grayscale version is **45.1646, 47.5167, 51.7457**.

A 20% lighter version of the original color is **83.2457, 86.0550, 75.1735**, and **21.9203, 22.2600, 17.0512** is the 20% darker color. If you saturate the color by 10%, you get **42.6705, 43.0248, 30.1389**, and if you desaturate by 10%, it is **49.8253, 51.8446, 49.4486**.

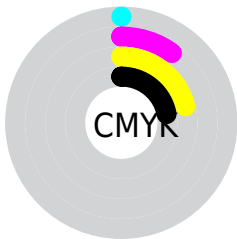
# Distribution



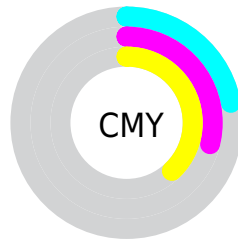
- Red (78%)
- Green (71%)
- Blue (62%)



- Red (76%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (10%)
- Yellow (21%)
- Black (22%)




- Cyan (22%)
- Magenta (29%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0460, 47.2533, 39.0417 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 46.0460, 47.2533, 39.0417 by changing the saturation by 10% instead.





 46.0460, 47.2533,  
39.0417


 46.0460, 47.2533,  
39.0417


361.7064,  
375.8247, 357.4990

 32.4869, 33.2359,  
26.4841


 83.5153, 86.0916,  
74.9231

 21.8910, 22.3073,  
16.9571


 108.1562,  
111.6813, 99.0839

 13.8930, 14.0828,  
10.0423


137.2217,  
141.8973, 127.9495

 8.1275, 8.1783,  
5.3210

171.0772,  
177.1239, 161.9386

 4.2291, 4.2093,  
2.3748

210.0881,  
217.7456, 201.4695

 1.8326, 1.7913,  
0.7727

254.6197,

 0.5372, 0.4817,

264.1467, 246.9608

0.0000

305.0373,  
316.7116, 298.8311

■ 0.0000, 0.0000,  
0.0000

■ 46.0460, 47.2533,  
39.0417

■ 46.0460, 47.2533,  
39.0417

■ 42.6705, 43.0248,  
30.1389

■ 49.8253, 51.8446,  
49.4486

■ 39.6792, 39.1427,  
22.6664

■ 54.0194, 56.8021,  
61.4229

■ 37.0565, 35.5985,  
16.5481

■ 58.6434, 62.1370,  
75.0279

■ 34.7842, 32.3806,  
11.7002

■ 63.7106, 67.8581,  
90.3224

■ 32.8419, 29.4769,  
8.0288

■ 68.8281, 73.8118,  
105.2272

■ 31.2068, 26.8738,  
5.4274

■ 71.4046, 78.9648,  
106.0861

■ 29.8523, 24.5561,  
3.7692

■ 74.1180, 84.3917,  
106.9905

■ 28.7903, 22.6162,  
2.8479

■ 76.9704, 90.0963,  
107.9413

■ 77.3633, 90.8822,  
108.0723

# Harmonies

## Analogous

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



48.3381, 47.2533, 41.9625



46.0460, 47.2533, 39.0417



43.5319, 47.2533, 39.2153

# Triad

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



46.0460, 47.2533, 39.0417



40.4082, 47.2533, 55.5513



48.5472, 47.2533, 61.6270

# Complementary

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



46.0460, 47.2533, 39.0417



40.1312, 42.8358, 60.1860

# 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.



46.3227, 47.2533, 65.9984



46.0460, 47.2533, 39.0417



41.6533, 47.2533, 62.2713

# Square

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



46.0460, 47.2533, 39.0417



40.3404, 47.2533, 48.2991



43.7984, 47.2533, 66.2448



49.8184, 47.2533, 54.7367



# Rectangle

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



46.0460, 47.2533, 39.0417



42.0686, 47.2533, 41.0560



43.7984, 47.2533, 66.2448



47.8825, 47.2533, 63.4669

# Sweetspot

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



46.0473, 47.2554, 39.0427



90.4638, 94.6138, 95.6989



43.7296, 39.7761, 47.0379



19.2597, 20.1289, 20.1894



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.



46.0473, 47.2554, 39.0427



77.7223, 79.1342, 60.6126



49.7874, 55.2717, 40.3929



11.0974, 11.5639, 11.2099



18.6012, 14.7196, 1.8608



0.9527, 0.8409, 0.1121

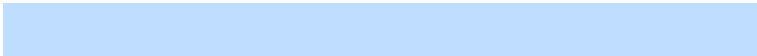


# Inverse Universe

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



40.1312, 42.8358, 60.1860



65.3988, 69.9288, 104.6585



36.9072, 35.9864, 59.0339



10.4549, 11.0839, 13.5059



9.1866, 7.7671, 35.7594

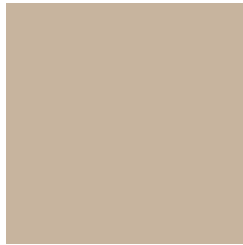


0.5073, 0.5123, 1.7173



# Previews

## White Background



This preview shows how the XYZ color 46.0460, 47.2533, 39.0417 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 46.0460, 47.2533, 39.0417 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

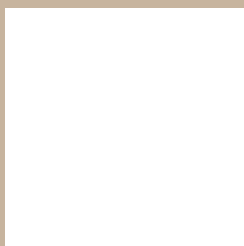
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.0460, 47.2533, 39.0417**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.0460, 47.2533, 39.0417.



This preview shows how white text looks on a background with the XYZ color 46.0460, 47.2533,



# 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

46.0460, 47.2533, 39.0417

### Protanopia

44.7242, 47.1656, 39.5475

### Deuteranopia

48.0778, 47.1092, 39.3599



## Tritanopia

49.3392, 47.4213, 54.6969

# Trichromacy



## Original Color

46.0460, 47.2533, 39.0417

## Protanomaly

45.2876, 47.1531, 39.5154

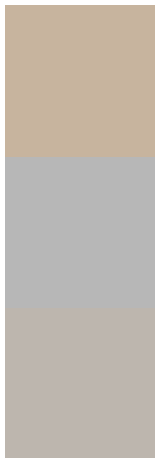
## Deuteranomaly

47.1570, 46.9266, 39.3732

## Tritanomaly

48.1151, 47.2152, 48.6970

# Monochromacy



## Original Color

46.0460, 47.2533, 39.0417

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.3542, 47.3307, 46.7897

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.0460, 47.2533, 39.0417 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(199, 180, 158)` looks like.

```
.text, #text, p{  
    color:rgb(199, 180, 158)  
}
```

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(199, 180, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 180, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 46.0460, 47.2533, 39.0417 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".

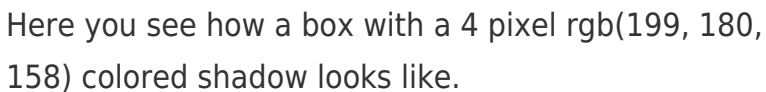
```
.border, #border, table{ border:4px solid rgb(199, 180, 158) }
```



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

```
.border{ border-color:rgb(199, 180, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 180, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 180, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 180, 158); box-shadow:4px 4px 4px 4px rgb(199, 180, 158) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.0460, 47.2533, 39.0417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 180, 158) }
```

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

```
.background{ background-color: rgb(199,  
180, 158) }
```

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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