

# Converting Colors

XYZ(45.4801, 47.3205, 36.4425)

Have a look what the booklet for  
XYZ(45.4801, 47.3205, 36.4425)  
contains.

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# Color

**XYZ(45.4801, 47.3205,  
36.4425)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6B598
RGB	198, 181, 152
RGB Percent	78%, 71%, 60%
CMY	0.2235, 0.2902, 0.4039
CMYK	0.00, 0.09, 0.23, 0.22
HSL	38°, 29%, 69%
HSV	38°, 23%, 78%
XYZ	45.4801, 47.3205, 36.4425
YIQ	182.7770, 19.4410, -5.4150

# Conversions

## Conversions Part 2

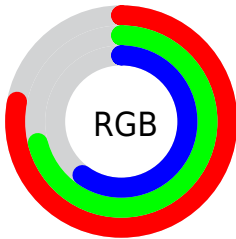
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 198, 152
Decimal	13022616
CIELab	74.39, 1.45, 16.99
CIElCh	74, 17.053, 85.128
Yxy	47.3205, 0.3519, 0.3661
Android (android.graphics.Color)	4291212696 (0xFFC6B598)
YUV	182.7770, -15.1731, 13.3506
Hunter-Lab	68.7899, -2.3679, 16.7431

# Details

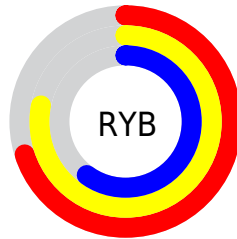
The XYZ color **45.4801, 47.3205, 36.4425** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.3297, 39.1277, 59.0113**, and the grayscale version is **44.9616, 47.3031, 51.5131**.

A 20% lighter version of the original color is **82.6648, 86.2846, 70.6902**, and **21.5697, 22.3072, 15.4808** is the 20% darker color. If you saturate the color by 10%, you get **42.5436, 43.8295, 28.1198**, and if you desaturate by 10%, it is **48.7680, 51.0804, 46.2191**.

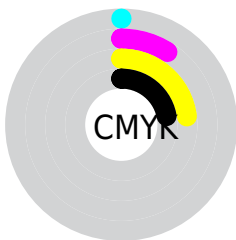
# Distribution



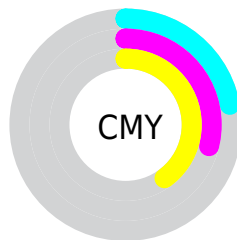
- Red (78%)
- Green (71%)
- Blue (60%)



- Red (70%)
- Yellow (78%)
- Blue (60%)



- Cyan (0%)
- Magenta (9%)
- Yellow (23%)
- Black (22%)




- Cyan (22%)
- Magenta (29%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4801, 47.3205, 36.4425 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 45.4801, 47.3205, 36.4425 by changing the saturation by 10% instead.




 45.4801, 47.3205,  
36.4425


 45.4801, 47.3205,  
36.4425


359.4656,  
376.0924, 345.9862

 32.0386, 33.2891,  
24.4837


 82.6730, 86.1918,  
70.8912

 21.5467, 22.3480,  
15.4773


 107.1552,  
111.8005, 94.2183

 13.6389, 14.1128,  
9.0047


136.0483,  
142.0372, 122.1718

 7.9500, 8.1992,  
4.6474

169.7177,  
177.2860, 155.1705

 4.1145, 4.2227,  
1.9868

208.5288,  
217.9316, 193.6327

 1.7671, 1.7989,  
0.5472

252.8469,

 0.4977, 0.4865,

264.3583, 237.9770

0.0000

303.0374,  
316.9504, 288.6220

■ 0.0000, 0.0000,  
0.0000

■ 45.4801, 47.3205,  
36.4425

■ 45.4801, 47.3205,  
36.4425

■ 42.5436, 43.8295,  
28.1198

■ 48.7680, 51.0804,  
46.2191

■ 39.9401, 40.5931,  
21.1769

■ 52.4172, 55.1100,  
57.5127

■ 37.6551, 37.6053,  
15.5375

■ 56.4418, 59.4184,  
70.3865

■ 35.6713, 34.8571,  
11.1169

■ 60.8539, 64.0123,  
84.8991

■ 33.9694, 32.3388,  
7.8199

■ 65.6652, 68.8980,  
101.1060

■ 32.5276, 30.0396,  
5.5375

■ 68.2368, 73.0217,  
105.1059

■ 31.3195, 27.9467,  
4.1380

■ 70.2560, 77.0601,  
105.7789

■ 30.6027, 26.6335,  
3.5278

■ 72.3609, 81.2700,  
106.4806

■ 74.5526, 85.6534,  
107.2112

# Harmonies

## Analogous

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



48.4383, 47.3205, 38.8563



45.4801, 47.3205, 36.4425



42.5153, 47.3205, 37.6784

# Triad

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



45.4801, 47.3205, 36.4425



39.8391, 47.3205, 59.0450



49.9979, 47.3205, 61.8114

# Complementary

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



45.4801, 47.3205, 36.4425



37.3297, 39.1277, 59.0113

# 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.



47.5314, 47.3205, 68.4034



45.4801, 47.3205, 36.4425



41.6841, 47.3205, 66.6830

# Square

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



45.4801, 47.3205, 36.4425



39.3454, 47.3205, 50.1010



44.4771, 47.3205, 70.2800



51.1213, 47.3205, 52.9737



# Rectangle

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



45.4801, 47.3205, 36.4425



40.9200, 47.3205, 40.4889



44.4771, 47.3205, 70.2800



49.2931, 47.3205, 64.4014

# Sweetspot

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



45.4813, 47.3226, 36.4435



90.2400, 94.7672, 93.7715



41.7385, 37.3513, 42.8589



19.2296, 20.1900, 19.8058



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.



45.4813, 47.3226, 36.4435



77.7639, 80.5321, 56.5735



47.7610, 53.9449, 37.6016



11.1818, 11.7327, 11.2381



19.9857, 17.4885, 2.3223



1.0139, 0.9632, 0.1325



# Inverse Universe

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



37.3297, 39.1277, 59.0113



60.7633, 63.4447, 103.6512



35.3982, 33.7394, 58.0731



10.3723, 10.9186, 13.4783



8.2604, 5.9146, 35.4506

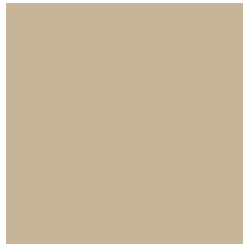


0.4602, 0.4183, 1.7016



# Previews

## White Background



This preview shows how the XYZ color 45.4801, 47.3205, 36.4425 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

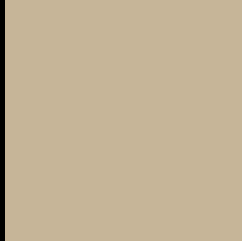
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4801, 47.3205, 36.4425 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

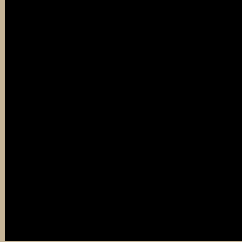
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.4801, 47.3205, 36.4425**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4801, 47.3205, 36.4425.



This preview shows how white text looks on a background with the XYZ color 45.4801, 47.3205,



# 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

45.4801, 47.3205, 36.4425

### Protanopia

44.6756, 47.5043, 36.9516

### Deuteranopia

48.1391, 47.1995, 36.7102



## Tritanopia

49.3392, 47.4213, 54.6969

# Trichromacy



## Original Color

45.4801, 47.3205, 36.4425

## Protanomaly

44.9834, 47.3579, 36.9071

## Deuteranomaly

47.1238, 47.2625, 36.7759

## Tritanomaly

47.8443, 47.3929, 47.7004

# Monochromacy



## Original Color

45.4801, 47.3205, 36.4425

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

44.9134, 47.1258, 45.7587

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4801, 47.3205, 36.4425 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(198, 181, 152)` looks like.

```
.text, #text, p{  
    color:rgb(198, 181, 152)  
}
```

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(198, 181, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 181, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4801, 47.3205, 36.4425 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(198, 181, 152) }
```



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

```
.border{ border-color:rgb(198, 181, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 181, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 181, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 181, 152);  
box-shadow:4px 4px 4px 4px rgb(198, 181,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4801, 47.3205, 36.4425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 181, 152) }
```

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

```
.background{ background-color: rgb(198,  
181, 152) }
```

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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