

# Converting Colors

XYZ(46.6435, 48.6760, 37.1180)

Have a look what the booklet for  
XYZ(46.6435, 48.6760, 37.1180)  
contains.

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# **Color**

**XYZ(46.7097, 48.8602,  
37.1061)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8B899
RGB	200, 184, 153
RGB Percent	78%, 72%, 60%
CMY	0.2157, 0.2784, 0.4000
CMYK	0.00, 0.08, 0.23, 0.22
HSL	40°, 30%, 69%
HSV	40°, 23%, 78%
XYZ	46.7097, 48.8602, 37.1061
YIQ	185.2500, 19.4870, -6.2490

# Conversions

## Conversions Part 2

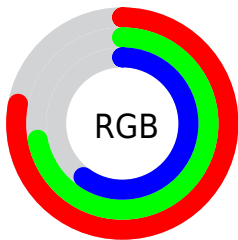
Format	Color
<a href="#">RYB</a>	<a href="#">177, 200, 153</a>
Decimal	<a href="#">13154457</a>
CIELab	<a href="#">75.36, 0.76, 17.83</a>
CIELCh	<a href="#">75, 17.842, 87.557</a>
Yxy	<a href="#">48.8602, 0.3521, 0.3683</a>
Android (android.graphics.Color)	<a href="#">4291344537</a> (0xFFC8B899)
YUV	<a href="#">185.2500, -15.8993, 12.9358</a>
Hunter-Lab	<a href="#">69.9001, -3.0451, 17.4563</a>

# Details

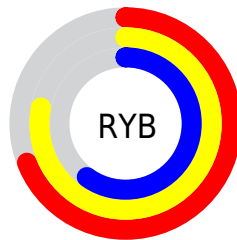
The XYZ color **46.7097, 48.8602, 37.1061** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.7500, 39.3176, 60.2434**, and the grayscale version is **46.3325, 48.7454, 53.0837**.

A 20% lighter version of the original color is **83.6626, 88.0852, 71.6241**, and **22.3686, 23.3029, 15.8893** is the 20% darker color. If you saturate the color by 10%, you get **43.8146, 45.4955, 28.6631**, and if you desaturate by 10%, it is **49.9523, 52.4762, 47.0321**.

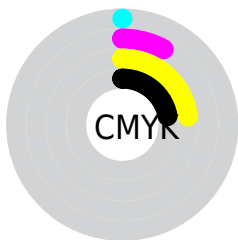
# Distribution



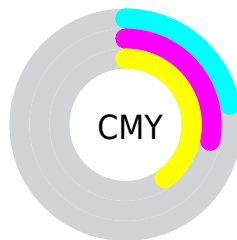
- Red (78%)
- Green (72%)
- Blue (60%)



- Red (69%)
- Yellow (78%)
- Blue (60%)



- Cyan (0%)
- Magenta (8%)
- Yellow (23%)
- Black (22%)




- Cyan (22%)
- Magenta (28%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7097, 48.8602, 37.1061 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 46.7097, 48.8602, 37.1061 by changing the saturation by 10% instead.





 46.7097, 48.8602,  
37.1061


 46.7097, 48.8602,  
37.1061


364.3229,  
382.1917, 348.9522

 33.0132, 34.5086,  
24.9932

 84.5015, 88.4838,  
71.9241

 22.2958, 23.2846,  
15.8530


 109.3275,  
114.5246, 95.4663

 14.1923, 14.8038,  
9.2670


138.5941,  
145.2305, 123.6553

 8.3371, 8.6818,  
4.8165

172.6666,  
180.9860, 156.9097

 4.3650, 4.5342,  
2.0832

211.9104,  
222.1755, 195.6481

 1.9106, 1.9767,  
0.6057

256.6908,

 0.5830, 0.5939,

269.1833, 240.2889

0.0000

307.3732,  
322.3939, 291.2508

■ 0.0000, 0.0000,  
0.0000

■ 46.7097, 48.8602,  
37.1061

■ 46.7097, 48.8602,  
37.1061

■ 43.8146, 45.4955,  
28.6631

■ 49.9523, 52.4762,  
47.0321

■ 41.2485, 42.3680,  
21.6270

■ 53.5524, 56.3438,  
58.5060

■ 38.9966, 39.4721,  
15.9198

■ 57.5242, 60.4719,  
71.5924

■ 37.0416, 36.7992,  
11.4542

■ 61.8799, 64.8668,  
86.3513

■ 35.3639, 34.3398,  
8.1327

■ 66.6311, 69.5346,  
102.8398

■ 33.9412, 32.0833,  
5.8427

■ 68.7532, 73.2667,  
105.1259

■ 32.7467, 30.0175,  
4.4488

■ 70.6286, 77.0175,  
105.7511

■ 32.0616, 28.7635,  
3.8621

■ 72.5782, 80.9166,  
106.4009

■ 74.6027, 84.9658,  
107.0758

# Harmonies

## Analogous

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



49.9093, 48.8602, 39.3562



46.7097, 48.8602, 37.1061



43.5807, 48.8602, 38.7293

# Triad

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



46.7097, 48.8602, 37.1061



41.0659, 48.8602, 62.0097



51.9734, 48.8602, 63.4995

# Complementary

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



46.7097, 48.8602, 37.1061



37.7500, 39.3176, 60.2434

# 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.



49.4220, 48.8602, 70.8903



46.7097, 48.8602, 37.1061



43.1356, 48.8602, 69.9614

# Square

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



46.7097, 48.8602, 37.1061



40.4149, 48.8602, 52.4337



46.1716, 48.8602, 73.3825



53.0363, 48.8602, 53.9746



# Rectangle

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



46.7097, 48.8602, 37.1061



41.9361, 48.8602, 41.9095



46.1716, 48.8602, 73.3825



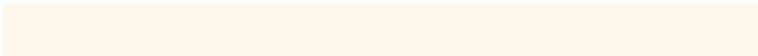
51.2557, 48.8602, 66.3564

# Sweetspot

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



46.7110, 48.8624, 37.1071



90.4005, 95.0881, 93.8249



42.4150, 37.9440, 42.8470



19.2668, 20.2644, 19.8182



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

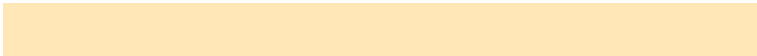


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.7110, 48.8624, 37.1071



78.3417, 81.6877, 56.7661



48.3841, 54.9398, 38.1920



11.2082, 11.7855, 11.2469



20.4716, 18.4604, 2.4842



1.0346, 1.0046, 0.1394



# Inverse Universe

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



37.7500, 39.3176, 60.2434



60.2531, 62.4242, 103.4811



36.3244, 34.4320, 59.3755



10.3468, 10.8678, 13.4698



8.0210, 5.4359, 35.3708

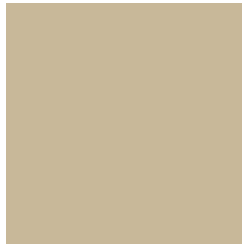


0.4472, 0.3922, 1.6973



# Previews

## White Background



This preview shows how the XYZ color 46.7097, 48.8602, 37.1061 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 46.7097, 48.8602, 37.1061 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 46.7097, 48.8602, 37.1061**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.7097, 48.8602, 37.1061.



This preview shows how white text looks on a background with the XYZ color 46.7097, 48.8602,



# 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

46.7097, 48.8602, 37.1061

### Protanopia

45.9466, 48.7668, 37.5631

### Deuteranopia

49.9772, 49.0204, 37.3996



## Tritanopia

50.6117, 48.6257, 56.5873

# Trichromacy



## Original Color

46.7097, 48.8602, 37.1061

## Protanomaly

46.2077, 48.9013, 37.5753

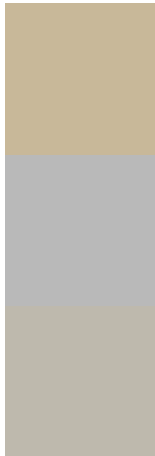
## Deuteranomaly

48.9350, 49.0825, 37.4666

## Tritanomaly

48.9857, 48.5534, 48.9094

# Monochromacy



## Original Color

46.7097, 48.8602, 37.1061

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

46.1270, 48.6622, 46.4968

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.7097, 48.8602, 37.1061 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, 184, 153) looks like.

```
.text, #text, p{  
    color:rgb(200, 184, 153)  
}
```

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, 184, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 184, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 46.7097, 48.8602, 37.1061 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, 184, 153) }
```



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

```
.border{ border-color:rgb(200, 184, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 184, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 184, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 184, 153);  
box-shadow:4px 4px 4px 4px rgb(200, 184,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.7097, 48.8602, 37.1061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 184, 153) }
```

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

```
.background{ background-color: rgb(200,  
184, 153) }
```

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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