

Converting Colors

XYZ(64.3171, 65.6732, 48.7720)

Have a look what the booklet for
XYZ(64.3171, 65.6732, 48.7720)
contains.

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Color

**XYZ(64.3597, 65.7910,
48.8420)**

Conversions

Conversions Part 1

Format	Color
Hex	EBD0AD
RGB	235, 208, 173
RGB Percent	92%, 82%, 68%
CMY	0.0784, 0.1843, 0.3216
CMYK	0.00, 0.11, 0.26, 0.08
HSL	34°, 61%, 80%
HSV	34°, 26%, 92%
XYZ	64.3597, 65.7910, 48.8420
YIQ	212.0830, 27.3270, -5.1610

Conversions

Conversions Part 2

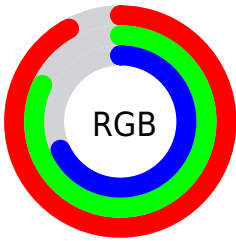
Format	Color
R _Y B	221, 235, 173
Decimal	15454381
CIE Lab	84.89, 4.20, 20.85
CIE LCh	85, 21.266, 78.622
Yxy	65.7910, 0.3596, 0.3676
Android (android.graphics.Color)	4293644461 (0xFFEBD0AD)
YUV	212.0830, -19.2679, 20.0982
Hunter-Lab	81.1117, -0.3109, 21.0762

Details

The XYZ color **64.3597, 65.7910, 48.8420** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.8830, 56.1897, 86.6562**, and the grayscale version is **62.7473, 66.0150, 71.8903**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **33.5972, 34.0754, 22.8956** is the 20% darker color. If you saturate the color by 10%, you get **59.8685, 60.1330, 37.0957**, and if you desaturate by 10%, it is **69.4153, 71.9370, 62.7512**.

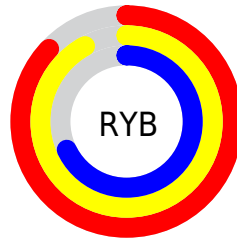
Distribution



Red (92%)

Green (82%)

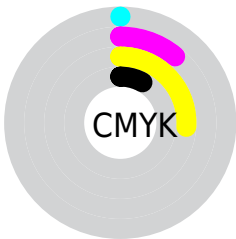
Blue (68%)



Red (87%)

Yellow (92%)

Blue (68%)

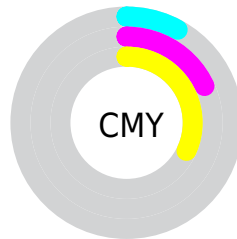


Cyan (0%)

Magenta (11%)

Yellow (26%)

Black (8%)



Cyan (8%)


Magenta (18%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3597, 65.7910, 48.8420 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 64.3597, 65.7910, 48.8420 by changing the saturation by 10% instead.


 64.3597, 65.7910,
48.8420

 64.3597, 65.7910,
48.8420

430.0691,
445.6291, 398.7245

 47.2048, 48.1028,
34.1294


 110.1996,
113.1863, 89.8353

 33.4062, 33.9083,
22.7149

139.6154,
143.6622, 116.9531

 22.5986, 22.8231,
14.1798

173.8489,
179.1694, 149.0431

 14.4164, 14.4630,
8.1057

213.2654,
220.0923, 186.5238

 8.4945, 8.4434,
4.0739

258.2304,
266.8153, 229.8138

 4.4674, 4.3799,
1.6660

309.1090,

 1.9698, 1.8883,

319.7228, 279.3315

0.3373

366.2668,
379.1993, 335.4956

■ 0.6169, 0.5413,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.3597, 65.7910,
48.8420

■ 64.3597, 65.7910,
48.8420

■ 59.8685, 60.1330,
37.0957

■ 69.4153, 71.9370,
62.7512

■ 55.9125, 54.9395,
27.3967

■ 75.0526, 78.5755,
78.9224

■ 52.4677, 50.1981,
19.6251

■ 81.2941, 85.7225,
97.4535

■ 49.5053, 45.8925,
13.6463

■ 86.1666, 92.5931,
107.9385

■ 46.9936, 42.0044,
9.3086

■ 88.0712, 96.4023,
108.5734

■ 44.8955, 38.5137,
6.4342

■ 43.1656, 35.3966,
4.8013

■ 42.6048, 34.3495,
4.3846

Harmonies

Analogous

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



68.7946, 65.7910, 53.6739



64.3597, 65.7910, 48.8420



59.6484, 65.7910, 49.5106

Triad

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



64.3597, 65.7910, 48.8420



54.2355, 65.7910, 80.3567



69.6718, 65.7910, 90.4437

Complementary

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



64.3597, 65.7910, 48.8420



52.8830, 56.1897, 86.6562

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.



65.5078, 65.7910, 99.5288



64.3597, 65.7910, 48.8420



56.6622, 65.7910, 93.2136

Square

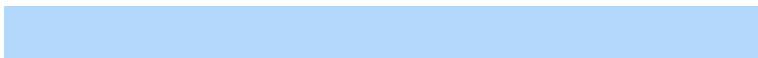
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.3597, 65.7910, 48.8420



53.9631, 65.7910, 66.5761



60.7400, 65.7910, 100.6025



71.9640, 65.7910, 76.9444

Rectangle

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



64.3597, 65.7910, 48.8420



56.9792, 65.7910, 53.0067



60.7400, 65.7910, 100.6025



68.4351, 65.7910, 94.1850

Sweetspot

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



64.3614, 65.7940, 48.8434



89.1692, 93.2182, 91.5878



59.7361, 51.7625, 62.0402



18.8604, 19.6890, 18.9506



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.



64.3614, 65.7940, 48.8434



74.2760, 75.2015, 50.3390



70.4980, 79.5734, 51.1796



15.7712, 16.4653, 15.8656



23.8407, 19.3756, 2.4833



1.9675, 1.7123, 0.2268

Inverse Universe

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



52.8830, 56.1897, 86.6562



58.1553, 61.7162, 103.4551



47.8669, 45.1280, 84.7855



14.7707, 15.6279, 19.1602



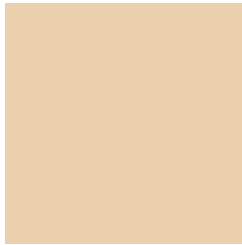
11.1294, 8.9059, 44.8754



0.9680, 0.8876, 3.5552

Previews

White Background



This preview shows how the XYZ color 64.3597, 65.7910, 48.8420 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 64.3597, 65.7910, 48.8420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

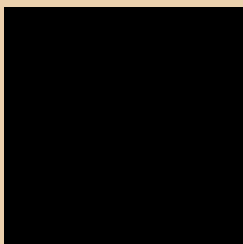
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

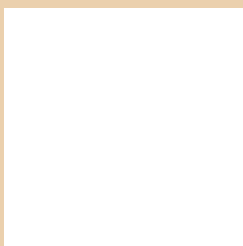
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3597, 65.7910, 48.8420

Background



This preview shows how black text looks on a background with the XYZ color 64.3597, 65.7910, 48.8420.



This preview shows how white text looks on a background with the XYZ color 64.3597, 65.7910,

48.8420.

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

64.3597, 65.7910, 48.8420

Protanopia

62.0218, 66.0294, 50.0335

Deuteranopia

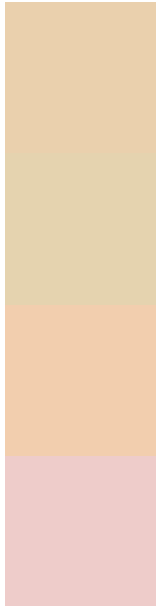
67.2389, 65.8346, 49.2079



Tritanopia

69.7106, 65.8283, 75.3616

Trichromacy



Original Color

64.3597, 65.7910, 48.8420

Protanomaly

62.9292, 66.1385, 49.4937

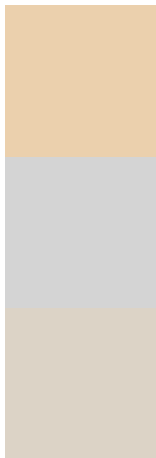
Deuteranomaly

66.0893, 65.5959, 49.2224

Tritanomaly

67.5134, 65.6271, 64.9861

Monochromacy



Original Color

64.3597, 65.7910, 48.8420

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.0025, 65.8814, 62.8219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3597, 65.7910, 48.8420 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(235, 208, 173)` looks like.

```
.text, #text, p{  
    color:rgb(235, 208, 173)  
}
```

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(235, 208, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 208, 173) }
```

Border

The CSS property to change the border of an element to XYZ 64.3597, 65.7910, 48.8420 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(235, 208, 173) }
```


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

```
.border{ border-color:rgb(235, 208, 173) }
```

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

Here you see how a box with a 4 pixel rgb(235, 208, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 208, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 208, 173);  
box-shadow:4px 4px 4px 4px rgb(235, 208,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3597, 65.7910, 48.8420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 208, 173) }
```

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

```
.background{ background-color: rgb(235,  
208, 173) }
```

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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