

Converting Colors

XYZ(64.8910, 69.0037, 51.6142)

Have a look what the booklet for
XYZ(64.8910, 69.0037, 51.6142)
contains.

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Color

**XYZ(64.8048, 68.9441,
51.4869)**

Conversions

Conversions Part 1

Format	Color
Hex	E5D8B1
RGB	229, 216, 177
RGB Percent	90%, 85%, 69%
CMY	0.1020, 0.1529, 0.3059
CMYK	0.00, 0.06, 0.23, 0.10
HSL	45°, 50%, 80%
HSV	45°, 23%, 90%
XYZ	64.8048, 68.9441, 51.4869
YIQ	215.4410, 20.2670, -9.3730

Conversions

Conversions Part 2

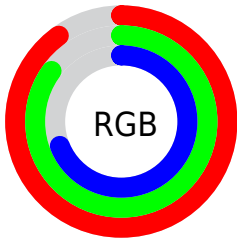
Format	Color
RYB	194, 229, 177
Decimal	15063217
CIELab	86.48, -1.63, 20.87
CIELCh	86, 20.932, 94.477
Yxy	68.9441, 0.3499, 0.3722
Android (android.graphics.Color)	4293253297 (0xFFE5D8B1)
YUV	215.4410, -18.9514, 11.8912
Hunter-Lab	83.0326, -5.9924, 21.3582

Details

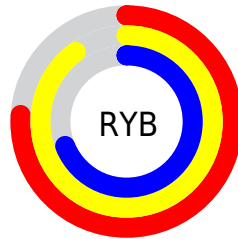
The XYZ color **64.8048, 68.9441, 51.4869** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.6875, 51.8299, 81.4618**, and the grayscale version is **65.0067, 68.3921, 74.4790**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **33.6165, 35.8292, 24.2127** is the 20% darker color. If you saturate the color by 10%, you get **61.2710, 65.2276, 39.9771**, and if you desaturate by 10%, it is **68.7764, 72.9221, 65.0339**.

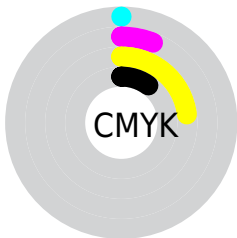
Distribution



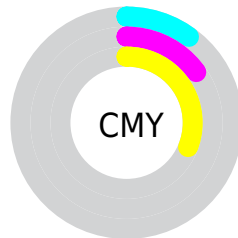
- Red (90%)
- Green (85%)
- Blue (69%)



- Red (76%)
- Yellow (90%)
- Blue (69%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)
- Black (10%)



- Cyan (10%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8048, 68.9441, 51.4869 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 64.8048, 68.9441, 51.4869 by changing the saturation by 10% instead.

■ 64.8048, 68.9441,
51.4869

■ 64.8048, 68.9441,
51.4869

431.6465,
456.8338, 409.3530

■ 47.5669, 50.6662,
36.2168

■ 110.8364,
117.7017, 93.7929

■ 33.6939, 35.9430,
24.3107

140.3609,
148.9502, 121.6660

■ 22.8203, 24.3902,
15.3499

174.7117,
185.2911, 154.5772

■ 14.5808, 15.6233,
8.9160

214.2540,
227.1086, 192.9449

■ 8.6101, 9.2580,
4.5904

259.3533,
274.7872, 237.1878

■ 4.5428, 4.9098,
1.9545

310.3749,

■ 2.0136, 2.1945,

328.7114, 287.7245

0.5271

367.6842,
389.2655, 344.9733

■ 0.6416, 0.7170,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8048, 68.9441,
51.4869

■ 64.8048, 68.9441,
51.4869

■ 61.2710, 65.2276,
39.9771

■ 68.7764, 72.9221,
65.0339

■ 58.1499, 61.7548,
30.3995

■ 73.1986, 77.1606,
80.7076

■ 55.4221, 58.5193,
22.6459

■ 78.0904, 81.6702,
98.5972

■ 53.0642, 55.5109,
16.5961

■ 81.1997, 85.5509,
106.8410

■ 51.0501, 52.7185,
12.1150

■ 82.9008, 88.9532,
107.4081

■ 49.3497, 50.1290,
9.0470

■ 84.6555, 92.4626,
107.9930

■ 47.9269, 47.7271,
7.2044

■ 86.1233, 95.3981,
108.4822

■ 47.0225, 46.0765,
6.4153

Harmonies

Analogous

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



69.6260, 68.9441, 53.4736



64.8048, 68.9441, 51.4869



60.3958, 68.9441, 55.1520

Triad

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



64.8048, 68.9441, 51.4869



58.1455, 68.9441, 91.2073



74.3010, 68.9441, 87.1614

Complementary

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



64.8048, 68.9441, 51.4869



50.6875, 51.8299, 81.4618

Split Complementary

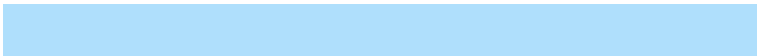
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.9457, 68.9441, 99.2810



64.8048, 68.9441, 51.4869



61.5966, 68.9441, 101.8115

Square

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



64.8048, 68.9441, 51.4869



56.6734, 68.9441, 77.1703



66.2592, 68.9441, 104.9334



75.2628, 68.9441, 73.0050

Rectangle

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



64.8048, 68.9441, 51.4869



58.2357, 68.9441, 60.6086



66.2592, 68.9441, 104.9334



73.4078, 68.9441, 91.6625

Sweetspot

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



64.8066, 68.9472, 51.4884



90.9014, 96.0900, 93.9919



57.3302, 51.8208, 55.6968



19.3830, 20.4968, 19.8569



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.



64.8066, 68.9472, 51.4884



80.6335, 85.8408, 58.8571



64.2746, 73.8124, 52.4555



15.2806, 16.1751, 15.2212



26.9852, 26.5446, 3.7013



2.0665, 2.1064, 0.2977

Inverse Universe

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



50.6875, 51.8299, 81.4618



59.7763, 60.5581, 103.1461



51.1010, 48.0495, 80.7103



13.8740, 14.4694, 18.2060



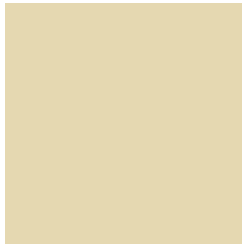
9.0097, 5.0815, 42.8891



0.7382, 0.5204, 3.1935

Previews

White Background



This preview shows how the XYZ color 64.8048, 68.9441, 51.4869 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 64.8048, 68.9441, 51.4869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

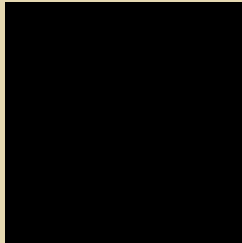
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.8048, 68.9441, 51.4869

Background



This preview shows how black text looks on a background with the XYZ color 64.8048, 68.9441, 51.4869.



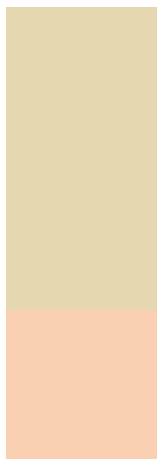
This preview shows how white text looks on a background with the XYZ color 64.8048, 68.9441,

51.4869.

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

64.8048, 68.9441, 51.4869

Protanopia

64.8048, 68.9441, 51.4869

Deuteranopia

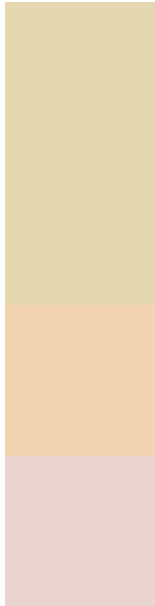
70.1169, 68.6904, 52.2108



Tritanopia

70.7889, 68.7541, 81.4914

Trichromacy



Original Color

64.8048, 68.9441, 51.4869

Protanomaly

64.8048, 68.9441, 51.4869

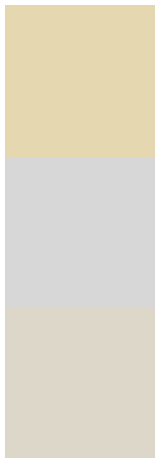
Deuteranomaly

67.9481, 68.6801, 51.7948

Tritanomaly

68.5329, 68.9647, 69.3739

Monochromacy



Original Color

64.8048, 68.9441, 51.4869

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.3583, 68.0336, 64.9981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8048, 68.9441, 51.4869 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(229, 216, 177)` looks like.

```
.text, #text, p{  
    color:rgb(229, 216, 177)  
}
```

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(229, 216, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 216, 177) }
```

Border

The CSS property to change the border of an element to XYZ 64.8048, 68.9441, 51.4869 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(229, 216, 177) }
```


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

```
.border{ border-color:rgb(229, 216, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 216, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 216, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 216, 177);  
box-shadow:4px 4px 4px 4px rgb(229, 216,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8048, 68.9441, 51.4869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 216, 177) }
```

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

```
.background{ background-color: rgb(229,  
216, 177) }
```

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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