

Converting Colors

XYZ(63.7192, 68.0765, 50.6983)

Have a look what the booklet for
XYZ(63.7192, 68.0765, 50.6983)
contains.

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Color

**XYZ(63.8155, 68.0664,
50.8490)**

Conversions

Conversions Part 1

Format	Color
Hex	E3D7B0
RGB	227, 215, 176
RGB Percent	89%, 84%, 69%
CMY	0.1098, 0.1568, 0.3098
CMYK	0.00, 0.05, 0.22, 0.11
HSL	46°, 48%, 79%
HSV	46°, 22%, 89%
XYZ	63.8155, 68.0664, 50.8490
YIQ	214.1420, 19.6710, -9.5850

Conversions

Conversions Part 2

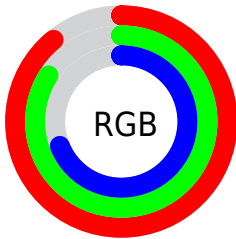
Format	Color
RYB	192, 227, 176
Decimal	14931888
CIELab	86.04, -2.00, 20.76
CIELCh	86, 20.858, 95.509
Yxy	68.0664, 0.3492, 0.3725
Android (android.graphics.Color)	4293121968 (0xFFE3D7B0)
YUV	214.1420, -18.8040, 11.2765
Hunter-Lab	82.5024, -6.3096, 21.2092

Details

The XYZ color **63.8155, 68.0664, 50.8490** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.7526, 50.7414, 79.8453**, and the grayscale version is **64.1270, 67.4666, 73.4711**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **32.9405, 35.2296, 23.8027** is the 20% darker color. If you saturate the color by 10%, you get **60.4179, 64.5697, 39.5467**, and if you desaturate by 10%, it is **67.6367, 71.8082, 64.1471**.

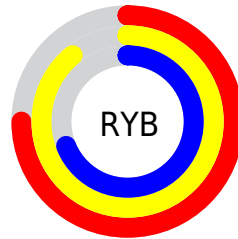
Distribution



Red (89%)

Green (84%)

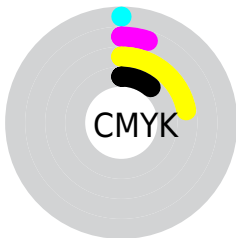
Blue (69%)



Red (75%)

Yellow (89%)

Blue (69%)

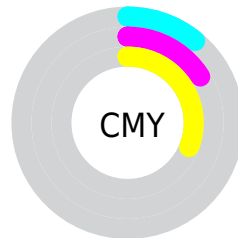


Cyan (0%)

Magenta (5%)

Yellow (22%)

Black (11%)



Cyan (11%)

Magenta (16%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8155, 68.0664, 50.8490 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 63.8155, 68.0664, 50.8490 by changing the saturation by 10% instead.

63.8155, 68.0664,
50.8490

63.8155, 68.0664,
50.8490

428.1359,
453.7312, 406.8066

46.7624, 49.9518,
35.7126

109.4204,
116.4471, 92.8407

33.0550, 35.3751,
23.9243

138.7029,
147.4820, 120.5331

22.3280, 23.9519,
15.0658

172.7926,
183.5924, 153.2479

14.2161, 15.2980,
8.7185

212.0548,
225.1627, 191.4036

8.3538, 9.0288,
4.4637

256.8548,
272.5774, 235.4188

4.3759, 4.7600,
1.8830

307.5581,

1.9169, 2.1071,

326.2208, 285.7120

0.4819

364.5300,
386.4772, 342.7018

■ 0.5866, 0.6686,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8155, 68.0664,
50.8490

■ 63.8155, 68.0664,
50.8490

■ 60.4179, 64.5697,
39.5467

■ 67.6367, 71.8082,
64.1471

■ 57.4194, 61.3006,
30.1373

■ 71.8939, 75.7938,
79.5282

■ 54.8011, 58.2533,
22.5156

■ 76.6056, 80.0334,
97.0796

■ 52.5404, 55.4179,
16.5639

■ 79.8284, 83.7504,
106.5658

■ 50.6117, 52.7837,
12.1507

■ 81.3919, 86.8773,
107.0869

■ 48.9860, 50.3382,
9.1242

■ 83.0017, 90.0968,
107.6235

■ 47.6281, 48.0666,
7.3020

■ 84.6582, 93.4099,
108.1757

■ 46.7396, 46.4528,
6.5028

■ 85.4887, 95.0710,
108.4525

Harmonies

Analogous

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



68.5862, 68.0664, 52.6195



63.8155, 68.0664, 50.8490



59.4949, 68.0664, 54.6592

Triad

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



63.8155, 68.0664, 50.8490



57.4881, 68.0664, 90.5019



73.4378, 68.0664, 85.5863

Complementary

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



63.8155, 68.0664, 50.8490



49.7526, 50.7414, 79.8453

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.



70.1897, 68.0664, 97.7081



63.8155, 68.0664, 50.8490



60.9540, 68.0664, 100.7823

Square

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



63.8155, 68.0664, 50.8490



55.9591, 68.0664, 76.6722



65.5827, 68.0664, 103.5693



74.2960, 68.0664, 71.6109

Rectangle

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



63.8155, 68.0664, 50.8490



57.4015, 68.0664, 60.1653



65.5827, 68.0664, 103.5693



72.5817, 68.0664, 90.0645

Sweetspot

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



63.8173, 68.0695, 50.8504



90.9833, 96.2537, 94.0192



56.3628, 51.0457, 54.8850



19.4020, 20.5348, 19.8633



0.0000, 0.0000, 0.0000



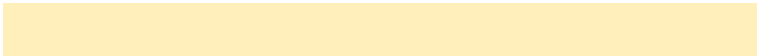
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8173, 68.0695, 50.8504



80.9288, 86.4314, 58.9555



63.1107, 72.4070, 51.7249



15.2992, 16.2123, 15.2274



27.3522, 27.2786, 3.8237



2.0909, 2.1552, 0.3058

Inverse Universe

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



49.7526, 50.7414, 79.8453



59.5374, 60.0803, 103.0664



50.3156, 47.3845, 79.1676



13.8566, 14.4346, 18.2002



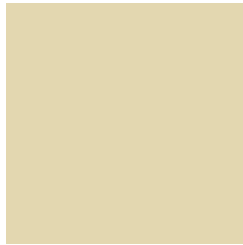
8.9135, 4.8892, 42.8571



0.7290, 0.5018, 3.1904

Previews

White Background



This preview shows how the XYZ color 63.8155, 68.0664, 50.8490 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 63.8155, 68.0664, 50.8490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

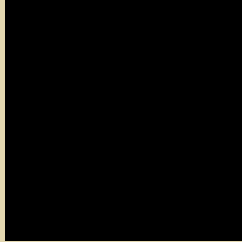
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8155, 68.0664, 50.8490

Background



This preview shows how black text looks on a background with the XYZ color 63.8155, 68.0664, 50.8490.

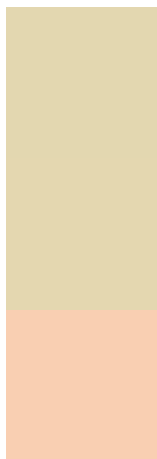


This preview shows how white text looks on a background with the XYZ color 63.8155, 68.0664,

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

63.8155, 68.0664, 50.8490

Protanopia

64.1318, 68.2294, 50.8638

Deuteranopia

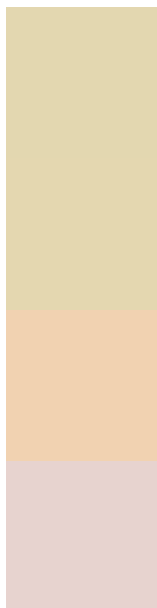
69.4156, 67.9797, 51.5823



Tritanopia

69.7508, 67.8716, 80.6584

Trichromacy



Original Color

63.8155, 68.0664, 50.8490

Protanomaly

64.1318, 68.2294, 50.8638

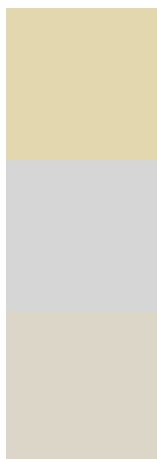
Deuteranomaly

67.2580, 67.9683, 51.1693

Tritanomaly

67.5117, 68.0824, 68.6145

Monochromacy



Original Color

63.8155, 68.0664, 50.8490

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.6853, 67.3233, 64.2817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8155, 68.0664, 50.8490 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(227, 215, 176)` looks like.

```
.text, #text, p{  
    color:rgb(227, 215, 176)  
}
```

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(227, 215, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 215, 176) }
```

Border

The CSS property to change the border of an element to XYZ 63.8155, 68.0664, 50.8490 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(227, 215, 176) }
```


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

```
.border{ border-color:rgb(227, 215, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 215, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 215, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 215, 176);  
box-shadow:4px 4px 4px 4px rgb(227, 215,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8155, 68.0664, 50.8490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 215, 176) }
```

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

```
.background{ background-color: rgb(227,  
215, 176) }
```

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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