

Converting Colors

XYZ(63.9015, 68.5460, 48.3908)

Have a look what the booklet for
XYZ(63.9015, 68.5460, 48.3908)
contains.

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Color

**XYZ(63.9015, 68.5460,
48.3908)**

Conversions

Conversions Part 1

Format	Color
Hex	E4D8AB
RGB	228, 216, 171
RGB Percent	89%, 85%, 67%
CMY	0.1059, 0.1529, 0.3294
CMYK	0.00, 0.05, 0.25, 0.11
HSL	47°, 51%, 78%
HSV	47°, 25%, 89%
XYZ	63.9015, 68.5460, 48.3908
YIQ	214.4580, 21.5970, -11.4510

Conversions

Conversions Part 2

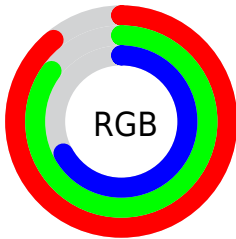
Format	Color
RYB	186, 228, 171
Decimal	14997675
CIELab	86.28, -2.84, 23.72
CIELCh	86, 23.885, 96.820
Yxy	68.5460, 0.3534, 0.3790
Android (android.graphics.Color)	4293187755 (0xFFE4D8AB)
YUV	214.4580, -21.4248, 11.8763
Hunter-Lab	82.7925, -7.1158, 23.3008

Details

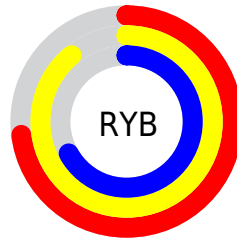
The XYZ color **63.9015, 68.5460, 48.3908** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.7315, 48.1252, 80.1726**, and the grayscale version is **64.3564, 67.7079, 73.7339**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **33.0879, 35.5923, 22.5788** is the 20% darker color. If you saturate the color by 10%, you get **60.7023, 65.3304, 37.5115**, and if you desaturate by 10%, it is **67.5151, 71.9896, 61.2593**.

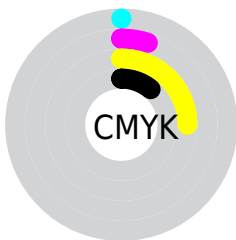
Distribution



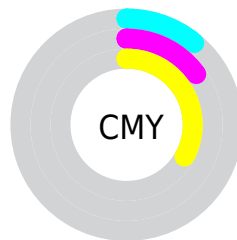
- Red (89%)
- Green (85%)
- Blue (67%)



- Red (73%)
- Yellow (89%)
- Blue (67%)



- Cyan (0%)
- Magenta (5%)
- Yellow (25%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9015, 68.5460, 48.3908 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 63.9015, 68.5460, 48.3908 by changing the saturation by 10% instead.

■ 63.9015, 68.5460,
48.3908

■ 63.9015, 68.5460,
48.3908

428.4417,
455.4281, 396.8924

■ 46.8323, 50.3421,
33.7743

■ 109.5436,
117.1329, 89.1576

■ 33.1105, 35.6853,
22.4443

138.8472,
148.2846, 116.1449

■ 22.3707, 24.1912,
13.9823

172.9596,
184.5211, 148.0930

■ 14.2477, 15.4755,
7.9697

212.2462,
226.2267, 185.4202

■ 8.3760, 9.1538,
3.9881

257.0724,
273.7858, 228.5453

■ 4.3903, 4.8416,
1.6188

307.8035,

■ 1.9252, 2.1546,

327.5828, 277.8866

0.3042

364.8048,
388.0021, 333.8628

■ 0.5914, 0.6951,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9015, 68.5460,
48.3908

■ 63.9015, 68.5460,
48.3908

■ 60.7023, 65.3304,
37.5115

■ 67.5151, 71.9896,
61.2593

■ 57.8925, 62.3251,
28.5156

■ 71.5559, 75.6595,
76.2069

■ 55.4528, 59.5244,
21.2941

■ 76.0428, 79.5663,
93.3230

■ 53.3597, 56.9182,
15.7250

■ 79.8101, 83.2441,
106.4690

■ 51.5867, 54.4956,
11.6709

■ 81.2040, 86.0319,
106.9336

■ 50.1032, 52.2437,
8.9720

■ 82.6352, 88.8943,
107.4107

■ 48.8718, 50.1471,
7.4325

■ 84.1041, 91.8320,
107.9003

■ 48.3204, 49.1447,
6.9391

■ 85.6108, 94.8455,
108.4026

■ 85.8051, 95.2341,
108.4673

Harmonies

Analogous

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



69.4086, 68.5460, 50.0834



63.9015, 68.5460, 48.3908



59.0085, 68.5460, 52.8948

Triad

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



63.9015, 68.5460, 48.3908



57.0363, 68.5460, 94.3252



75.3782, 68.5460, 87.2200

Complementary

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



63.9015, 68.5460, 48.3908



47.7315, 48.1252, 80.1726

Split Complementary

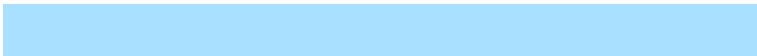
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.7054, 68.5460, 101.6398



63.9015, 68.5460, 48.3908



61.0710, 68.5460, 106.1289

Square

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



63.9015, 68.5460, 48.3908



55.1920, 68.5460, 78.2945



66.4165, 68.5460, 108.9785



76.2410, 68.5460, 71.0912

Rectangle

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



63.9015, 68.5460, 48.3908



56.6840, 68.5460, 59.2378



66.4165, 68.5460, 108.9785



74.4216, 68.5460, 92.4926

Sweetspot

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



63.9033, 68.5491, 48.3922



91.1213, 96.5299, 94.0652



55.1422, 49.0541, 51.5539



19.4341, 20.5988, 19.8739



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.



63.9033, 68.5491, 48.3922



80.1638, 86.1697, 54.7905



62.2028, 72.4023, 49.2256



15.3306, 16.2752, 15.2379



27.9906, 28.5553, 4.0365



2.1331, 2.2395, 0.3198

Inverse Universe

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



47.7315, 48.1252, 80.1726



55.9503, 55.5948, 102.3897



49.0975, 45.3119, 79.5575



13.8274, 14.3762, 18.1904



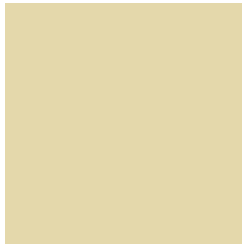
8.7654, 4.5930, 42.8077



0.7142, 0.4723, 3.1855

Previews

White Background



This preview shows how the XYZ color 63.9015, 68.5460, 48.3908 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 63.9015, 68.5460, 48.3908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

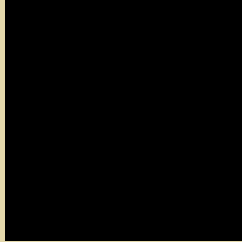
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9015, 68.5460, 48.3908

Background



This preview shows how black text looks on a background with the XYZ color 63.9015, 68.5460, 48.3908.

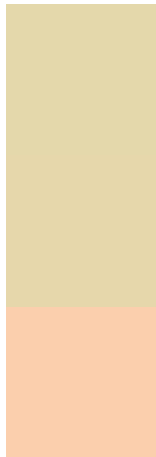


This preview shows how white text looks on a background with the XYZ color 63.9015, 68.5460,

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

63.9015, 68.5460, 48.3908

Protanopia

64.2843, 68.3641, 48.3355

Deuteranopia

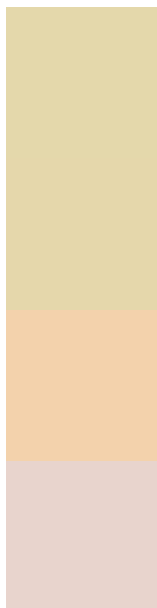
69.6393, 68.1520, 49.0194



Tritanopia

70.6520, 68.6993, 80.7707

Trichromacy



Original Color

63.9015, 68.5460, 48.3908

Protanomaly

63.9642, 68.1992, 48.3206

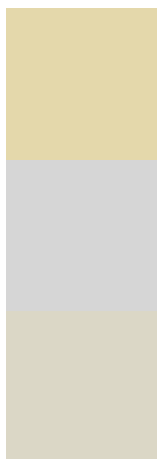
Deuteranomaly

67.4551, 68.1264, 48.6242

Tritanomaly

67.8416, 68.6505, 67.4328

Monochromacy



Original Color

63.9015, 68.5460, 48.3908

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.7069, 67.7382, 63.1431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9015, 68.5460, 48.3908 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(228, 216, 171)` looks like.

```
.text, #text, p{  
    color:rgb(228, 216, 171)  
}
```

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(228, 216, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 216, 171) }
```

Border

The CSS property to change the border of an element to XYZ 63.9015, 68.5460, 48.3908 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(228, 216, 171) }
```


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

```
.border{ border-color:rgb(228, 216, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 216, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 216, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 216, 171); box-shadow:4px 4px 4px 4px rgb(228, 216, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9015, 68.5460, 48.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 216, 171) }
```

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

```
.background{ background-color: rgb(228,  
216, 171) }
```

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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