

Converting Colors

XYZ(63.3808, 68.4370, 48.5380)

Have a look what the booklet for
XYZ(63.3808, 68.4370, 48.5380)
contains.

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Color

**XYZ(63.2706, 68.2208,
48.3613)**

Conversions

Conversions Part 1

Format	Color
Hex	E2D8AB
RGB	226, 216, 171
RGB Percent	89%, 85%, 67%
CMY	0.1137, 0.1529, 0.3294
CMYK	0.00, 0.04, 0.24, 0.11
HSL	49°, 49%, 78%
HSV	49°, 24%, 89%
XYZ	63.2706, 68.2208, 48.3613
YIQ	213.8600, 20.4050, -11.8750

Conversions

Conversions Part 2

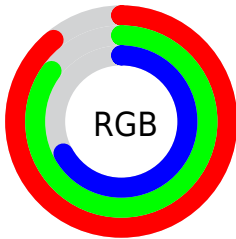
Format	Color
RYB	183, 226, 171
Decimal	14866603
CIELab	86.12, -3.58, 23.47
CIELCh	86, 23.740, 98.684
Yxy	68.2208, 0.3518, 0.3793
Android (android.graphics.Color)	4293056683 (0xFFE2D8AB)
YUV	213.8600, -21.1300, 10.6468
Hunter-Lab	82.5959, -7.8071, 23.1018

Details

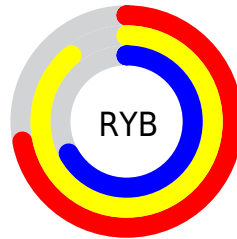
The XYZ color **63.2706, 68.2208, 48.3613** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.0457, 47.1955, 78.5819**, and the grayscale version is **63.9519, 67.2824, 73.2705**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **32.6522, 35.3677, 22.5585** is the 20% darker color. If you saturate the color by 10%, you get **60.2595, 65.3561, 37.6230**, and if you desaturate by 10%, it is **66.6799, 71.2916, 61.0511**.

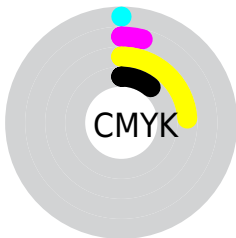
Distribution



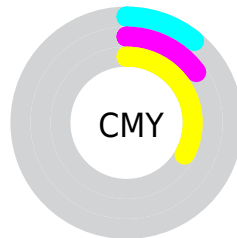
- Red (89%)
- Green (85%)
- Blue (67%)



- Red (72%)
- Yellow (89%)
- Blue (67%)



- Cyan (0%)
- Magenta (4%)
- Yellow (24%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2706, 68.2208, 48.3613 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 63.2706, 68.2208, 48.3613 by changing the saturation by 10% instead.

■ 63.2706, 68.2208,
48.3613

■ 63.2706, 68.2208,
48.3613

426.1950,
454.2779, 396.7724

■ 46.3196, 50.0774,
33.7511

■ 108.6394,
116.6680, 89.1132

■ 32.7038, 35.4749,
22.4266

137.7880,
147.7405, 116.0920

■ 22.0578, 24.0289,
13.9694

171.7331,
183.8915, 148.0308

■ 14.0162, 15.3551,
7.9609

210.8402,
225.5054, 185.3480

■ 8.2137, 9.0690,
3.9825

255.4746,
272.9666, 228.4622

■ 4.2850, 4.7862,
1.6158

306.0016,

■ 1.8646, 2.1224,

326.6595, 277.7920

0.3020

362.7866,
386.9685, 333.7559

■ 0.5561, 0.6772,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2706, 68.2208,
48.3613

■ 63.2706, 68.2208,
48.3613

■ 60.2595, 65.3561,
37.6230

■ 66.6799, 71.2916,
61.0511

■ 57.6224, 62.6804,
28.7332

■ 70.4997, 74.5667,
75.7798

■ 55.3405, 60.1882,
21.5859

■ 74.7483, 78.0559,
92.6347

■ 53.3911, 57.8702,
16.0626

■ 78.3930, 81.3465,
106.1774

■ 51.7487, 55.7159,
12.0300

■ 79.5655, 83.6916,
106.5683

■ 50.3838, 53.7131,
9.3337

■ 80.7653, 86.0911,
106.9682

■ 49.2604, 51.8471,
7.7853

■ 81.9924, 88.5453,
107.3772

■ 48.6986, 50.8377,
7.2460

■ 83.2471, 91.0547,
107.7955

■ 84.5296, 93.6196,
108.2230

Harmonies

Analogous

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



68.7309, 68.2208, 49.6580



63.2706, 68.2208, 48.3613



58.5029, 68.2208, 53.2080

Triad

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



63.2706, 68.2208, 48.3613



56.9920, 68.2208, 94.6883



75.1150, 68.2208, 85.7474

Complementary

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



63.2706, 68.2208, 48.3613



47.0457, 47.1955, 78.5819

Split Complementary

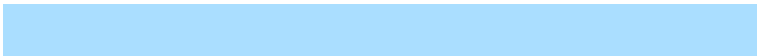
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.6229, 68.2208, 100.2912



63.2706, 68.2208, 48.3613



61.1023, 68.2208, 105.9358

Square

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



63.2706, 68.2208, 48.3613



55.0136, 68.2208, 78.9106



66.4388, 68.2208, 108.1186



75.7759, 68.2208, 69.8359

Rectangle

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



63.2706, 68.2208, 48.3613



56.2853, 68.2208, 59.7325



66.4388, 68.2208, 108.1186



74.2243, 68.2208, 91.0181

Sweetspot

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



63.2724, 68.2239, 48.3627



91.2819, 96.8510, 94.1188



54.2766, 48.6350, 50.2886



19.4713, 20.6734, 19.8864



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.



63.2724, 68.2239, 48.3627



81.2074, 87.8418, 56.4180



60.7243, 70.8280, 48.9997



14.6489, 15.5837, 14.5427



27.8627, 29.1634, 4.1606



1.9872, 2.1332, 0.3070

Inverse Universe

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



47.0457, 47.1955, 78.5819



56.5185, 55.8512, 102.4093



49.1330, 45.3621, 78.1180



13.1525, 13.6441, 17.3281



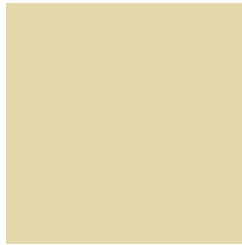
8.3474, 4.1643, 41.4122



0.6384, 0.4083, 2.8904

Previews

White Background



This preview shows how the XYZ color 63.2706, 68.2208, 48.3613 looks on a white background.

Color Contrast Check

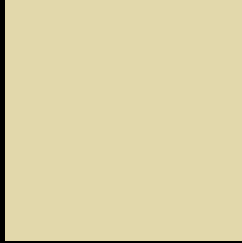
Large Text (above 18pt) WCAG AA × Fail

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 63.2706, 68.2208, 48.3613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

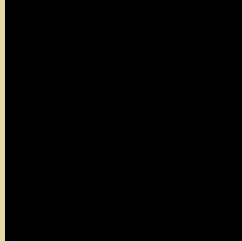
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

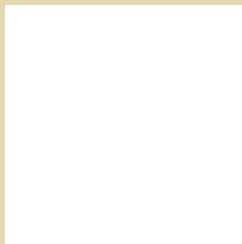
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2706, 68.2208, 48.3613

Background



This preview shows how black text looks on a background with the XYZ color 63.2706, 68.2208, 48.3613.



This preview shows how white text looks on a background with the XYZ color 63.2706, 68.2208,

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

63.2706, 68.2208, 48.3613

Protanopia

63.9642, 68.1992, 48.3206

Deuteranopia

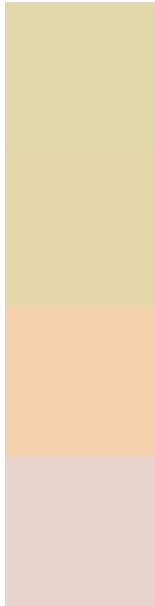
69.6393, 68.1520, 49.0194



Tritanopia

69.9953, 68.3608, 80.7400

Trichromacy



Original Color

63.2706, 68.2208, 48.3613

Protanomaly

63.6460, 68.0351, 48.3057

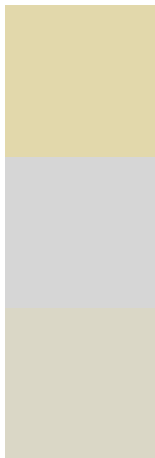
Deuteranomaly

67.1109, 67.9490, 48.6081

Tritanomaly

67.1961, 68.3177, 67.4026

Monochromacy



Original Color

63.2706, 68.2208, 48.3613

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.4069, 67.5835, 63.1291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2706, 68.2208, 48.3613 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(226, 216, 171)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 216, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 216, 171) }
```

Border

The CSS property to change the border of an element to XYZ 63.2706, 68.2208, 48.3613 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(226, 216, 171) }
```


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

```
.border{ border-color:rgb(226, 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(226, 216, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 216, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 216, 171);  
box-shadow:4px 4px 4px 4px rgb(226, 216,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2706, 68.2208, 48.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 216, 171) }
```

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

```
.background{ background-color: rgb(226,  
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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