

Converting Colors

XYZ(64.6385, 66.1715, 48.6337)

Have a look what the booklet for
XYZ(64.6385, 66.1715, 48.6337)
contains.

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Color

**XYZ(64.8389, 66.4124,
48.4312)**

Conversions

Conversions Part 1

Format	Color
Hex	ECD1AC
RGB	236, 209, 172
RGB Percent	93%, 82%, 67%
CMY	0.0745, 0.1804, 0.3255
CMYK	0.00, 0.11, 0.27, 0.07
HSL	35°, 63%, 80%
HSV	35°, 27%, 93%
XYZ	64.8389, 66.4124, 48.4312
YIQ	212.8550, 27.9690, -5.7830

Conversions

Conversions Part 2

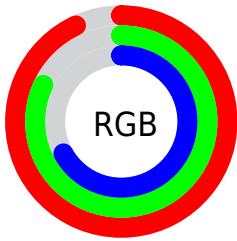
Format	Color
R _Y B	219, 236, 172
Decimal	15520172
CIE Lab	85.21, 3.92, 21.82
CIE LCh	85, 22.173, 79.824
Yxy	66.4124, 0.3609, 0.3696
Android (android.graphics.Color)	4293710252 (0xFFECD1AC)
YUV	212.8550, -20.1415, 20.2982
Hunter-Lab	81.4938, -0.5942, 21.8100

Details

The XYZ color **64.8389, 66.4124, 48.4312** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.5764, 55.6719, 87.3316**, and the grayscale version is **63.2677, 66.5625, 72.4866**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **33.7019, 34.3825, 22.6295** is the 20% darker color. If you saturate the color by 10%, you get **60.4046, 60.8544, 36.7464**, and if you desaturate by 10%, it is **69.8318, 72.4427, 62.2895**.

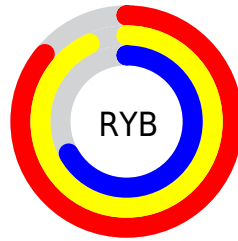
Distribution



Red (93%)

Green (82%)

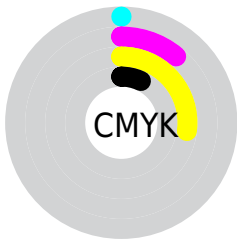
Blue (67%)



Red (86%)

Yellow (93%)

Blue (67%)

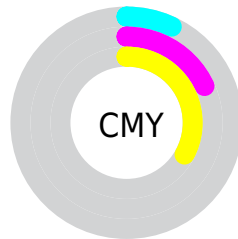


Cyan (0%)

Magenta (11%)

Yellow (27%)

Black (7%)



Cyan (7%)


Magenta (18%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8389, 66.4124, 48.4312 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 64.8389, 66.4124, 48.4312 by changing the saturation by 10% instead.


 64.8389, 66.4124,
48.4312

 64.8389, 66.4124,
48.4312


431.7672,
447.8503, 397.0567

 47.5947, 48.6073,
33.8061


 110.8852,
114.0780, 89.2183

 33.7159, 34.3080,
22.4685


140.4180,
144.7073, 116.2173

 22.8373, 23.1303,
14.0000

174.7777,
180.3801, 148.1781

 14.5935, 14.6898,
7.9819

214.3297,
221.4808, 185.5191

 8.6190, 8.6020,
3.9957

259.4392,
268.3937, 228.6590

 4.5486, 4.4825,
1.6230

310.4718,

 2.0170, 1.9469,

321.5034, 278.0161

0.3072

367.7926,
381.1941, 334.0092

■ 0.6435, 0.5764,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8389, 66.4124,
48.4312

■ 64.8389, 66.4124,
48.4312

■ 60.4046, 60.8544,
36.7464

■ 69.8318, 72.4427,
62.2895

■ 56.4997, 55.7456,
27.1178

■ 75.4006, 78.9494,
78.4219

■ 53.0998, 51.0741,
19.4234

■ 81.5680, 85.9483,
96.9277

■ 50.1761, 46.8235,
13.5263

■ 86.4632, 92.6951,
107.9426

■ 47.6965, 42.9763,
9.2716

■ 88.4021, 96.5729,
108.5889

■ 45.6235, 39.5124,
6.4774

■ 43.9093, 36.4076,
4.9084

■ 43.4608, 35.5702,
4.5751

Harmonies

Analogous

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



69.5386, 66.4124, 53.2282



64.8389, 66.4124, 48.4312



59.9147, 66.4124, 49.3555

Triad

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



64.8389, 66.4124, 48.4312



54.4941, 66.4124, 82.0689



70.7667, 66.4124, 91.5938

Complementary

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



64.8389, 66.4124, 48.4312



52.5764, 55.6719, 87.3316

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.



66.4438, 66.4124, 101.4682



64.8389, 66.4124, 48.4312



57.1147, 66.4124, 95.4854

Square

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



64.8389, 66.4124, 48.4312



54.1151, 66.4124, 67.5500



61.4376, 66.4124, 102.9795



73.0788, 66.4124, 77.2923

Rectangle

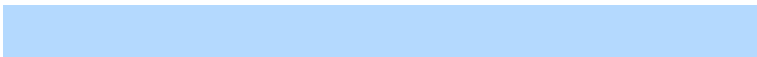
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.8389, 66.4124, 48.4312



57.1571, 66.4124, 53.1393



61.4376, 66.4124, 102.9795



69.4902, 66.4124, 95.6167

Sweetspot

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



64.8406, 66.4154, 48.4326



89.2538, 93.3874, 91.6160



59.7393, 51.4963, 61.2721



18.8817, 19.7317, 18.9577



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.



64.8406, 66.4154, 48.4326



74.0402, 75.1221, 49.0508



70.6343, 80.0808, 50.7649



15.7888, 16.5007, 15.8715



24.0873, 19.8688, 2.5655



1.9863, 1.7499, 0.2331

Inverse Universe

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



52.5764, 55.6719, 87.3316



56.9661, 60.1694, 103.2192



47.8584, 44.8232, 85.4863



14.7534, 15.5932, 19.1545



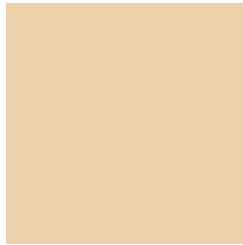
10.9553, 8.5576, 44.8173



0.9536, 0.8586, 3.5504

Previews

White Background



This preview shows how the XYZ color 64.8389, 66.4124, 48.4312 looks on a white background.

Color Contrast Check

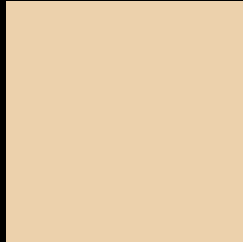
Large Text (above 18pt) WCAG AA × Fail

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 64.8389, 66.4124, 48.4312 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 64.8389, 66.4124, 48.4312

Background



This preview shows how black text looks on a background with the XYZ color 64.8389, 66.4124, 48.4312.



This preview shows how white text looks on a background with the XYZ color 64.8389, 66.4124,

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

64.8389, 66.4124, 48.4312

Protanopia

62.7983, 66.8132, 49.6308

Deuteranopia

67.7319, 66.4539, 48.7922



Tritanopia

70.2865, 66.4746, 75.4561

Trichromacy



Original Color

64.8389, 66.4124, 48.4312

Protanomaly

63.7194, 66.9271, 49.0950

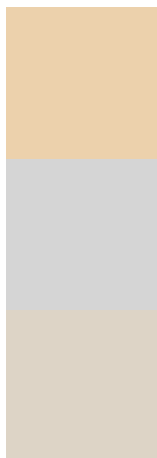
Deuteranomaly

66.5763, 66.2144, 48.8069

Tritanomaly

67.9705, 66.2304, 64.4597

Monochromacy



Original Color

64.8389, 66.4124, 48.4312

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.5553, 66.5363, 62.9192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8389, 66.4124, 48.4312 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(236, 209, 172)` looks like.

```
.text, #text, p{  
    color:rgb(236, 209, 172)  
}
```

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(236, 209, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 209, 172) }
```

Border

The CSS property to change the border of an element to XYZ 64.8389, 66.4124, 48.4312 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(236, 209, 172) }
```


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

```
.border{ border-color:rgb(236, 209, 172) }
```

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

Here you see how a box with a 4 pixel rgb(236, 209, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 209, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 209, 172);  
box-shadow:4px 4px 4px 4px rgb(236, 209,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8389, 66.4124, 48.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 209, 172) }
```

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

```
.background{ background-color: rgb(236,  
209, 172) }
```

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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