

# Converting Colors

XYZ(64.4111, 69.7611, 38.6459)

Have a look what the booklet for  
XYZ(64.4111, 69.7611, 38.6459)  
contains.

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# Color

**XYZ(64.4279, 69.8052,  
38.5118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EADA95
RGB	234, 218, 149
RGB Percent	92%, 85%, 58%
CMY	0.0824, 0.1451, 0.4157
CMYK	0.00, 0.07, 0.36, 0.08
HSL	49°, 67%, 75%
HSV	49°, 36%, 92%
XYZ	64.4279, 69.8052, 38.5118
YIQ	214.9180, 31.6850, -18.0670

# Conversions

## Conversions Part 2

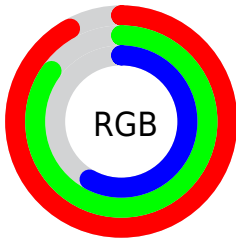
Format	Color
R <sub>Y</sub> B	169, 234, 149
Decimal	15391381
CIE Lab	86.90, -4.32, 35.98
CIE LCh	87, 36.234, 96.848
Yxy	69.8052, 0.3730, 0.4041
Android (android.graphics.Color)	4293581461 (0xFFEADA95)
YUV	214.9180, -32.4976, 16.7349
Hunter-Lab	83.5495, -8.5641, 31.1552

# Details

The XYZ color **64.4279, 69.8052, 38.5118** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.7005, 39.2391, 83.2706**, and the grayscale version is **64.7353, 68.1066, 74.1681**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **33.3863, 36.4046, 16.5764** is the 20% darker color. If you saturate the color by 10%, you get **61.6181, 66.8810, 29.2660**, and if you desaturate by 10%, it is **67.6469, 72.9467, 49.7473**.

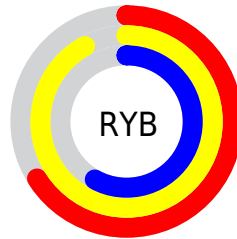
# Distribution



Red (92%)

Green (85%)

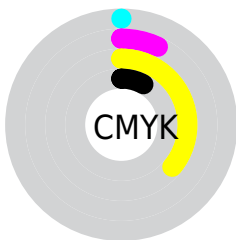
Blue (58%)



Red (66%)

Yellow (92%)

Blue (58%)

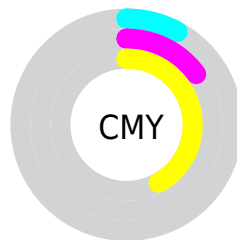


Cyan (0%)

Magenta (7%)

Yellow (36%)

Black (8%)



Cyan (8%)

Magenta (15%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4279, 69.8052, 38.5118 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 64.4279, 69.8052, 38.5118 by changing the saturation by 10% instead.




 64.4279, 69.8052,  
38.5118

 64.4279, 69.8052,  
38.5118


430.3110,  
459.8657, 355.1742

 47.2603, 51.3677,  
26.0752


 110.2972,  
118.9309, 74.1040

 33.4503, 36.5014,  
16.6537


 139.7297,  
150.3880, 98.0968

 22.6325, 24.8217,  
9.8285


173.9812,  
186.9537, 126.7787

 14.4416, 15.9442,  
5.1813

213.4170,  
229.0124, 160.5682

 8.5122, 9.4847,  
2.2934

258.4026,  
276.9486, 199.8840

 4.4789, 5.0587,  
0.7275

309.3032,

 1.9765, 2.2817,

331.1466, 245.1446

0.0000

366.4842,  
391.9909, 296.7685

■ 0.6207, 0.7640,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.4279, 69.8052,  
38.5118

■ 64.4279, 69.8052,  
38.5118

■ 61.6181, 66.8810,  
29.2660

■ 67.6469, 72.9467,  
49.7473

■ 59.1895, 64.1548,  
21.8865


■ 71.2907, 76.3045,  
63.0774


■ 57.1185, 61.6195,  
16.2427


■ 75.3807, 79.8901,  
78.6048


■ 55.3765, 59.2633,  
12.1855


■ 79.9350, 83.7110,  
96.4242


 53.9302, 57.0723,  
9.5403


 83.1481, 87.0454,  
107.0268

 52.7380, 55.0296,  
8.0892

 84.4603, 89.6697,  
107.4642

 52.3384, 54.3058,  
7.7235

 85.8042, 92.3574,  
107.9121

 87.1799, 95.1089,  
108.3707

 87.7417, 96.2324,  
108.5580

# Harmonies

## Analogous

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



72.9485, 69.8052, 40.7255



64.4279, 69.8052, 38.5118



57.0666, 69.8052, 44.4992

# Triad

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



64.4279, 69.8052, 38.5118



54.1679, 69.8052, 107.4922



82.4495, 69.8052, 95.8252

# Complementary

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



64.4279, 69.8052, 38.5118



40.7005, 39.2391, 83.2706

# 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.



76.5843, 69.8052, 119.6935



64.4279, 69.8052, 38.5118



60.1577, 69.8052, 127.3672

# Square

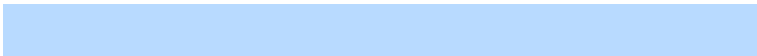
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.4279, 69.8052, 38.5118



51.4776, 69.8052, 81.6945



68.3054, 69.8052, 132.2510



83.8368, 69.8052, 70.5879



# Rectangle

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



64.4279, 69.8052, 38.5118



53.6442, 69.8052, 53.2778



68.3054, 69.8052, 132.2510



80.9134, 69.8052, 104.4228

# Sweetspot

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



64.4296, 69.8084, 38.5132



89.1975, 95.0018, 86.2728



51.5625, 41.7412, 41.4164



18.9477, 20.2076, 17.9191



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.



64.4296, 69.8084, 38.5132



75.5736, 82.0188, 37.7553



61.0012, 74.4982, 39.5992



16.0970, 17.1170, 15.9742



29.4988, 30.6917, 4.3693



2.3785, 2.5343, 0.3638



# Inverse Universe

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



40.7005, 39.2391, 83.2706



42.6029, 39.5614, 99.9984



43.1666, 36.4925, 82.6105



14.4605, 15.0075, 19.0568



8.9196, 4.4862, 44.1388

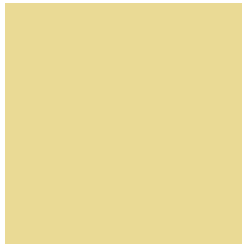


0.7647, 0.4809, 3.4874



# Previews

## White Background



This preview shows how the XYZ color 64.4279, 69.8052, 38.5118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

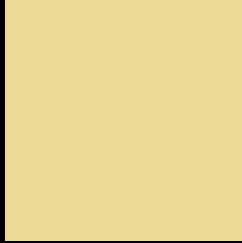
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.4279, 69.8052, 38.5118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

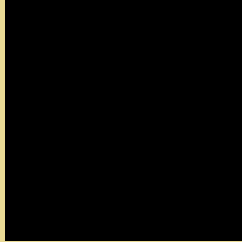
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.4279, 69.8052, 38.5118**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.4279, 69.8052, 38.5118.



This preview shows how white text looks on a background with the XYZ color 64.4279, 69.8052,



# 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

64.4279, 69.8052, 38.5118

### Protanopia

64.7572, 69.9749, 38.5272

### Deuteranopia

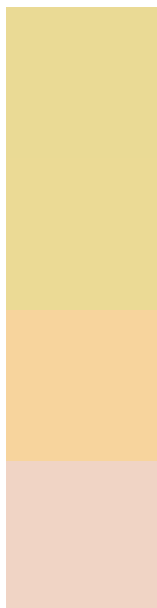
70.4735, 69.4341, 43.4060



## Tritanopia

73.1086, 69.6027, 80.8156

# Trichromacy



## Original Color

64.4279, 69.8052, 38.5118

## Protanomaly

64.7572, 69.9749, 38.5272

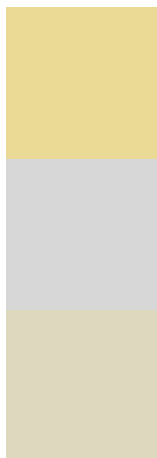
## Deuteranomaly

67.9871, 69.2954, 41.6903

## Tritanomaly

69.5567, 69.6434, 62.5998

# Monochromacy



## Original Color

64.4279, 69.8052, 38.5118

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

64.0840, 68.4029, 59.1157

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.4279, 69.8052, 38.5118 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(234, 218, 149)` looks like.

```
.text, #text, p{  
    color:rgb(234, 218, 149)  
}
```

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(234, 218, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 218, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 64.4279, 69.8052, 38.5118 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(234, 218, 149) }
```



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

```
.border{ border-color:rgb(234, 218, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 218, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 218, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 218, 149); box-shadow:4px 4px 4px 4px rgb(234, 218, 149) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.4279, 69.8052, 38.5118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 218, 149) }
```

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

```
.background{ background-color: rgb(234,  
218, 149) }
```

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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