

# Converting Colors

XYZ(64.4790, 67.9356, 38.1482)

Have a look what the booklet for  
XYZ(64.4790, 67.9356, 38.1482)  
contains.

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# Color

**XYZ(64.4790, 67.9356,  
38.1482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EED595
RGB	238, 213, 149
RGB Percent	93%, 84%, 58%
CMY	0.0667, 0.1647, 0.4157
CMYK	0.00, 0.11, 0.37, 0.07
HSL	43°, 72%, 76%
HSV	43°, 37%, 93%
XYZ	64.4790, 67.9356, 38.1482
YIQ	213.1790, 35.4440, -14.6040

# Conversions

## Conversions Part 2

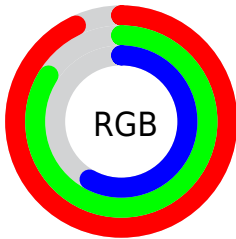
Format	Color
<a href="#">RYB</a>	<a href="#">184, 238, 149</a>
Decimal	<a href="#">15652245</a>
CIELab	<a href="#">85.97, -0.21, 34.82</a>
CIELCh	<a href="#">86, 34.824, 90.343</a>
Yxy	<a href="#">67.9356, 0.3780, 0.3983</a>
Android (android.graphics.Color)	<a href="#">4293842325</a> ( <a href="#">0xFFEED595</a> )
YUV	<a href="#">213.1790, -31.6402, 21.7680</a>
Hunter-Lab	<a href="#">82.4231, -4.6010, 30.2547</a>

# Details

The XYZ color **64.4790, 67.9356, 38.1482** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **42.9627, 42.8334, 86.8923**, and the grayscale version is **63.5557, 66.8655, 72.8165**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **33.6119, 35.4831, 16.3866** is the 20% darker color. If you saturate the color by 10%, you get **61.1235, 63.9609, 28.5939**, and if you desaturate by 10%, it is **68.2955, 72.2105, 49.7732**.

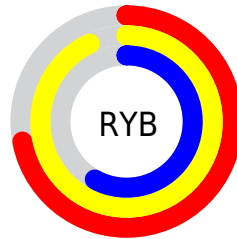
# Distribution



Red (93%)

Green (84%)

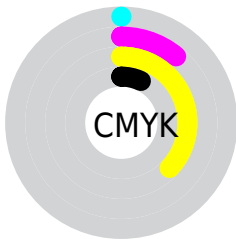
Blue (58%)



Red (72%)

Yellow (93%)

Blue (58%)

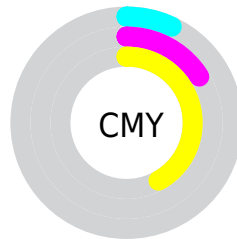


Cyan (0%)

Magenta (11%)

Yellow (37%)

Black (7%)



Cyan (7%)

Magenta (16%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4790, 67.9356, 38.1482 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 64.4790, 67.9356, 38.1482 by changing the saturation by 10% instead.



64.4790, 67.9356,  
38.1482

64.4790, 67.9356,  
38.1482

430.4922,  
453.2678, 353.5725

47.3019, 49.8453,  
25.7950

110.3704,  
116.2600, 73.5412

33.4833, 35.2905,  
16.4460

139.8153,  
147.2630, 97.4180

22.6580, 23.8868,  
9.6825

174.0803,  
183.3389, 125.9732

14.4604, 15.2496,  
5.0861

213.5306,  
224.8723, 159.6252

8.5254, 8.9948,  
2.2383

258.5315,  
272.2475, 198.7926

4.4876, 4.7378,  
0.6963

309.4486,

1.9815, 2.0942,

325.8489, 243.8939

0.0000

366.6470,  
386.0608, 295.3477

■ 0.6235, 0.6614,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.4790, 67.9356,  
38.1482

■ 64.4790, 67.9356,  
38.1482

■ 61.1235, 63.9609,  
28.5939

■ 68.2955, 72.2105,  
49.7732

■ 58.1992, 60.2658,  
20.9805

■ 72.5906, 76.7865,  
63.5799

■ 55.6807, 56.8413,  
15.1699

■ 77.3868, 81.6764,  
79.6761

■ 53.5371, 53.6735,  
11.0040

■ 82.7039, 86.8894,  
98.1613

■ 51.7322, 50.7467,  
8.2969

■ 86.3954, 91.5680,  
107.7286

■ 50.2188, 48.0405,  
6.8040

■ 88.4699, 95.7170,  
108.4201

■ 49.8532, 47.3638,  
6.5146

■ 89.0699, 96.9172,  
108.6201

# Harmonies

## Analogous

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



72.4664, 67.9356, 41.9717



64.4790, 67.9356, 38.1482



57.1239, 67.9356, 42.1521

# Triad

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



64.4790, 67.9356, 38.1482



52.2107, 67.9356, 98.4703



78.8469, 67.9356, 97.9203

# Complementary

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



64.4790, 67.9356, 38.1482



42.9627, 42.8334, 86.8923

# 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.



72.6382, 67.9356, 118.7568



64.4790, 67.9356, 38.1482



57.2705, 67.9356, 119.1177

# Square

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



64.4790, 67.9356, 38.1482



50.4074, 67.9356, 74.2335



64.6626, 67.9356, 127.2036



81.1658, 67.9356, 73.7077



# Rectangle

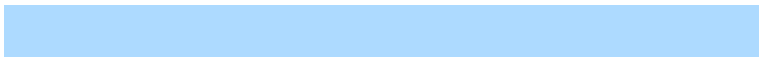
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.4790, 67.9356, 38.1482



53.4612, 67.9356, 49.3157



64.6626, 67.9356, 127.2036



77.1217, 67.9356, 105.7166

# Sweetspot

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



64.4807, 67.9387, 38.1496



88.3965, 93.3998, 86.0058



53.6690, 42.7372, 45.5764



18.7559, 19.8241, 17.8552



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.



64.4807, 67.9387, 38.1496



72.3194, 75.8155, 35.7299



65.1279, 78.3354, 40.1222



16.7259, 17.6649, 16.6778



27.9279, 26.6539, 3.6728



2.4070, 2.3846, 0.3334



# Inverse Universe

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



42.9627, 42.8334, 86.8923



43.7507, 42.5038, 100.5059



42.3896, 36.0247, 85.6083



15.2587, 15.9514, 19.9963



9.8184, 5.8610, 45.7417



0.8979, 0.6499, 3.8323



# Previews

## White Background



This preview shows how the XYZ color 64.4790, 67.9356, 38.1482 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 64.4790, 67.9356, 38.1482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

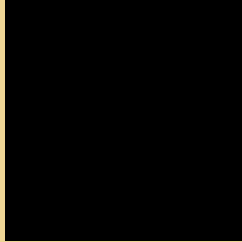
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.4790, 67.9356, 38.1482

## Background



This preview shows how black text looks on a background with the XYZ color 64.4790, 67.9356, 38.1482.



This preview shows how white text looks on a background with the XYZ color 64.4790, 67.9356,



# 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

64.4790, 67.9356, 38.1482

### Protanopia

63.0842, 67.9587, 38.6466

### Deuteranopia

69.0611, 67.7025, 39.5650



## Tritanopia

72.5172, 67.9459, 77.0029

# Trichromacy



## Original Color

64.4790, 67.9356, 38.1482

## Protanomaly

63.4833, 67.7876, 38.5925

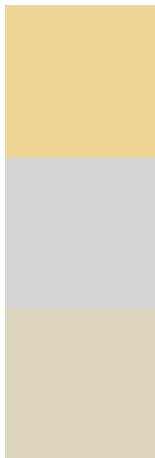
## Deuteranomaly

67.5349, 68.0077, 39.2731

## Tritanomaly

69.0126, 67.5754, 60.4449

# Monochromacy



## Original Color

64.4790, 67.9356, 38.1482

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

63.2127, 66.8358, 58.2841

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.4790, 67.9356, 38.1482 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(238, 213, 149)` looks like.

```
.text, #text, p{  
    color:rgb(238, 213, 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(238, 213, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 213, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 64.4790, 67.9356, 38.1482 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(238, 213, 149) }
```



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

```
.border{ border-color:rgb(238, 213, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 213, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 213, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 213, 149);  
box-shadow:4px 4px 4px 4px rgb(238, 213,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.4790, 67.9356, 38.1482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 213, 149) }
```

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

```
.background{ background-color: rgb(238,  
213, 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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