

# Converting Colors

XYZ(63.8427, 63.7310, 46.9681)

Have a look what the booklet for  
XYZ(63.8427, 63.7310, 46.9681)  
contains.

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# Color

**XYZ(63.8715, 63.7913,  
46.9768)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EECBAA
RGB	238, 203, 170
RGB Percent	93%, 80%, 67%
CMY	0.0667, 0.2039, 0.3333
CMYK	0.00, 0.15, 0.29, 0.07
HSL	29°, 67%, 80%
HSV	29°, 29%, 93%
XYZ	63.8715, 63.7913, 46.9768
YIQ	209.7030, 31.4530, -2.8430

# Conversions

## Conversions Part 2

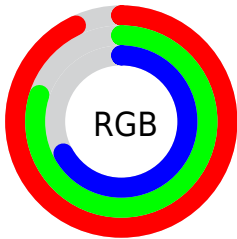
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 234, 170
Decimal	15649706
CIE Lab	83.86, 7.53, 21.04
CIE LCh	84, 22.350, 70.301
Yxy	63.7913, 0.3657, 0.3653
Android (android.graphics.Color)	4293839786 (0xFFEECBAA)
YUV	209.7030, -19.5736, 24.8165
Hunter-Lab	79.8695, 2.9747, 21.0360

# Details

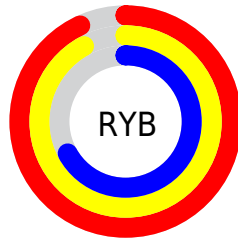
The XYZ color **63.8715, 63.7913, 46.9768** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.8409, 58.3800, 89.3198**, and the grayscale version is **61.1750, 64.3609, 70.0890**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **33.0735, 32.6267, 21.6940** is the 20% darker color. If you saturate the color by 10%, you get **59.0420, 57.4148, 35.2468**, and if you desaturate by 10%, it is **69.3405, 70.7938, 60.9322**.

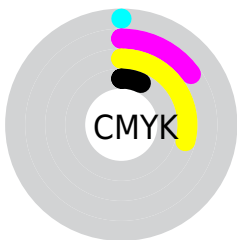
# Distribution



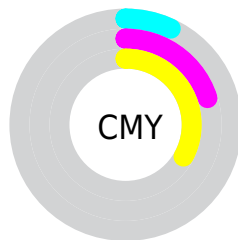
- Red (93%)
- Green (80%)
- Blue (67%)



- Red (93%)
- Yellow (92%)
- Blue (67%)



- Cyan (0%)
- Magenta (15%)
- Yellow (29%)
- Black (7%)




- Cyan (7%)
- Magenta (20%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8715, 63.7913, 46.9768 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 63.8715, 63.7913, 46.9768 by changing the saturation by 10% instead.




 63.8715, 63.7913,  
46.9768

 63.8715, 63.7913,  
46.9768


428.3350,  
438.4356, 391.1130

 46.8079, 46.4817,  
32.6631


 109.5006,  
110.3103, 87.0286

 33.0911, 32.6261,  
21.5995


138.7969,  
140.2885, 113.6038

 22.3558, 21.8402,  
13.3674

172.9013,  
175.2583, 145.1032

 14.2367, 13.7395,  
7.5483

212.1794,  
215.6041, 181.9455

 8.3683, 7.9397,  
3.7237

256.9965,  
261.7104, 224.5490

 4.3853, 4.0564,  
1.4750

307.7179,

 1.9223, 1.7052,

313.9614, 273.3324

0.1992

364.7089,  
372.7417, 328.7142

■ 0.5898, 0.4270,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.8715, 63.7913,  
46.9768

■ 63.8715, 63.7913,  
46.9768

■ 59.0420, 57.4148,  
35.2468

■ 69.3405, 70.7938,  
60.9322

■ 54.8197, 51.6362,  
25.6206

■ 75.4695, 78.4318,  
77.2179

■ 51.1768, 46.4380,  
17.9709

■ 82.2840, 86.7256,  
95.9370

■ 48.0809, 41.7980,  
12.1548

■ 88.1200, 95.0173,  
108.3035

■ 45.4956, 37.6923,  
8.0096

■ 89.0699, 96.9172,  
108.6201

■ 43.3786, 34.0942,  
5.3437

■ 41.6712, 30.9698,  
3.8791

■ 41.4499, 30.5571,  
3.7135

# Harmonies

## Analogous

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



68.1241, 63.7913, 53.3899



63.8715, 63.7913, 46.9768



58.9584, 63.7913, 46.0985

# Triad

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



63.8715, 63.7913, 46.9768



51.8056, 63.7913, 74.4080



66.9482, 63.7913, 92.1975

# Complementary

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



63.8715, 63.7913, 46.9768



53.8409, 58.3800, 89.3198

# 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.



62.3364, 63.7913, 99.6156



63.8715, 63.7913, 46.9768



53.7099, 63.7913, 88.4639

# Square

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



63.8715, 63.7913, 46.9768



52.1671, 63.7913, 60.7331



57.5034, 63.7913, 98.1639



69.9658, 63.7913, 78.9807



# Rectangle

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



63.8715, 63.7913, 46.9768



55.9901, 63.7913, 48.6232



57.5034, 63.7913, 98.1639



65.5231, 63.7913, 95.5277

# Sweetspot

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



63.8732, 63.7942, 46.9781



87.9198, 91.3035, 89.3706



60.6707, 51.3415, 64.5548



18.5850, 19.2544, 18.5003



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.



63.8732, 63.7942, 46.9781



71.4768, 70.3801, 47.0100



72.7614, 81.5708, 49.9409



16.4061, 17.0252, 16.5712



23.2533, 17.3047, 2.1146



2.0337, 1.6381, 0.2090

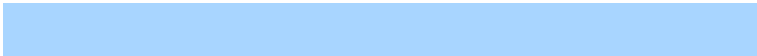


# Inverse Universe

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



53.8409, 58.3800, 89.3198



58.0362, 63.1253, 103.7333



46.5990, 43.8962, 86.9058



15.5700, 16.5742, 20.1001



12.6559, 11.5361, 46.6875



1.1525, 1.1589, 3.9172



# Previews

## White Background



This preview shows how the XYZ color 63.8715, 63.7913, 46.9768 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

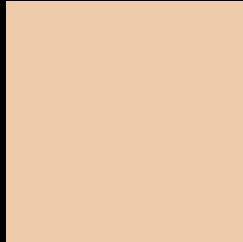
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.8715, 63.7913, 46.9768 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 63.8715, 63.7913, 46.9768**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.8715, 63.7913, 46.9768.



This preview shows how white text looks on a background with the XYZ color 63.8715, 63.7913,



# 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

63.8715, 63.7913, 46.9768

### Protanopia

60.1621, 63.9902, 48.7156

### Deuteranopia

65.1045, 63.7303, 46.9000



## Tritanopia

68.8121, 63.7407, 70.9637

# Trichromacy



## Original Color

63.8715, 63.7913, 46.9768

## Protanomaly

61.4378, 63.9351, 48.1323

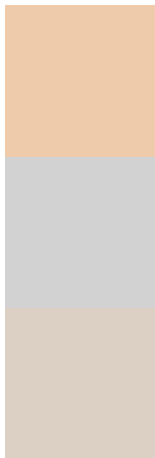
## Deuteranomaly

64.6519, 63.8441, 46.9458

## Tritanomaly

66.7771, 63.5788, 61.5757

# Monochromacy



## Original Color

63.8715, 63.7913, 46.9768

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

61.6784, 63.7814, 60.6900

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.8715, 63.7913, 46.9768 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, 203, 170)` looks like.

```
.text, #text, p{  
    color:rgb(238, 203, 170)  
}
```

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, 203, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 203, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 63.8715, 63.7913, 46.9768 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, 203, 170) }
```



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

```
.border{ border-color:rgb(238, 203, 170) }
```

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

Here you see how a box with a 4 pixel rgb(238, 203, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 203, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 203, 170);  
box-shadow:4px 4px 4px 4px rgb(238, 203,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.8715, 63.7913, 46.9768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 203, 170) }
```

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

```
.background{ background-color: rgb(238,  
203, 170) }
```

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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