

# Converting Colors

XYZ(59.1113, 57.7617, 39.4861)

Have a look what the booklet for  
XYZ(59.1113, 57.7617, 39.4861)  
contains.

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# Color

**XYZ(59.1113, 57.7617,  
39.4861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBC09C
RGB	235, 192, 156
RGB Percent	92%, 75%, 61%
CMY	0.0784, 0.2470, 0.3882
CMYK	0.00, 0.18, 0.34, 0.08
HSL	27°, 66%, 77%
HSV	27°, 34%, 92%
XYZ	59.1113, 57.7617, 39.4861
YIQ	200.7530, 37.1840, -2.0800

# Conversions

## Conversions Part 2

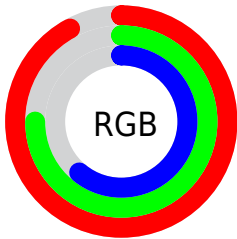
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 222, 156
Decimal	15450268
CIE Lab	80.61, 10.38, 23.94
CIE LCh	81, 26.094, 66.550
Yxy	57.7617, 0.3780, 0.3694
Android (android.graphics.Color)	4293640348 (0xFFEBC09C)
YUV	200.7530, -22.0632, 30.0346
Hunter-Lab	76.0011, 5.8298, 22.3969

# Details

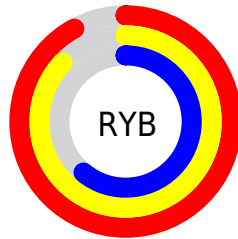
The XYZ color **59.1113, 57.7617, 39.4861** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.1285, 53.9112, 86.4138**, and the grayscale version is **55.4818, 58.3711, 63.5662**.

A 20% lighter version of the original color is **86.5653, 93.0980, 75.0352**, and **30.1425, 28.9501, 17.3639** is the 20% darker color. If you saturate the color by 10%, you get **54.6237, 51.6688, 29.1043**, and if you desaturate by 10%, it is **64.2309, 64.5021, 51.9791**.

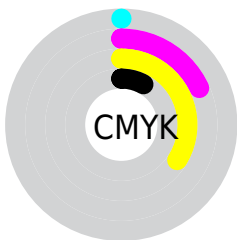
# Distribution



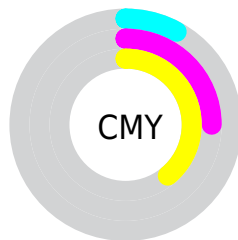
- Red (92%)
- Green (75%)
- Blue (61%)



- Red (92%)
- Yellow (87%)
- Blue (61%)



- Cyan (0%)
- Magenta (18%)
- Yellow (34%)
- Black (8%)




- Cyan (8%)
- Magenta (25%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1113, 57.7617, 39.4861 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 59.1113, 57.7617, 39.4861 by changing the saturation by 10% instead.





 59.1113, 57.7617,  
39.4861

 59.1113, 57.7617,  
39.4861


411.2017,  
416.2974, 359.4403

 42.9494, 41.6171,  
26.8274


 102.6531,  
101.5758, 75.6088

 30.0398, 28.8016,  
17.2123


 130.7638,  
130.0140, 99.9099

 20.0170, 18.9308,  
10.2224


163.5881,  
163.3189, 128.9288

 12.5157, 11.6203,  
5.4392

201.4914,  
201.8749, 163.0842

 7.1706, 6.4857,  
2.4440

244.8390,  
246.0664, 202.7944

 3.6163, 3.1426,  
0.8102

293.9964,

 1.4875, 1.2066,

296.2777, 248.4782

0.0000

349.3288,  
352.8932, 300.5539

■ 0.3173, 0.0671,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.1113, 57.7617,  
39.4861

■ 59.1113, 57.7617,  
39.4861

■ 54.6237, 51.6688,  
29.1043

■ 64.2309, 64.5021,  
51.9791

■ 50.7353, 46.1941,  
20.7108

■ 70.0046, 71.9020,  
66.6898

■ 47.4164, 41.3176,  
14.1752

■ 76.4586, 79.9833,  
83.7214

■ 44.6329, 37.0147,  
9.3498

■ 83.6164, 88.7641,  
103.1700

■ 42.3457, 33.2587,  
6.0642

■ 88.0710, 96.4022,  
108.5734

■ 40.5085, 30.0193,  
4.1113

■ 39.5295, 28.1992,  
3.3595

# Harmonies

## Analogous

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



63.6164, 57.7617, 46.8811



59.1113, 57.7617, 39.4861



53.7319, 57.7617, 37.8604

# Triad

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



59.1113, 57.7617, 39.4861



45.2722, 57.7617, 66.3249



61.2794, 57.7617, 89.7520

# Complementary

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



59.1113, 57.7617, 39.4861



49.1285, 53.9112, 86.4138

# 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.



56.0865, 57.7617, 97.0658



59.1113, 57.7617, 39.4861



47.0199, 57.7617, 82.1887

# Square

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



59.1113, 57.7617, 39.4861



45.9661, 57.7617, 51.8479



50.8951, 57.7617, 94.0939



64.9241, 57.7617, 75.4041



# Rectangle

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



59.1113, 57.7617, 39.4861



50.4155, 57.7617, 39.9836



50.8951, 57.7617, 94.0939



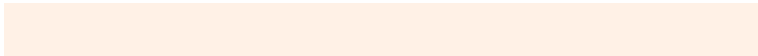
59.6444, 57.7617, 93.2128

# Sweetspot

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



59.1128, 57.7644, 39.4873



86.9442, 89.9279, 87.2707



56.5109, 45.5842, 60.1278



18.3803, 18.9597, 18.0785



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.



59.1128, 57.7644, 39.4873



67.5255, 64.6314, 39.0531



68.8518, 77.2424, 42.7336



15.6310, 16.1850, 15.8189



22.1241, 15.9424, 1.9111



1.8323, 1.4420, 0.1818

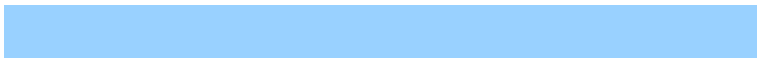


# Inverse Universe

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



49.1285, 53.9112, 86.4138



53.8679, 59.3544, 103.2251



41.2684, 38.1911, 83.7938



14.9105, 15.9075, 19.2068



12.7635, 12.1740, 45.4201



1.0982, 1.1479, 3.5986



# Previews

## White Background



This preview shows how the XYZ color 59.1113, 57.7617, 39.4861 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

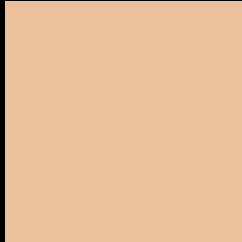
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.1113, 57.7617, 39.4861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

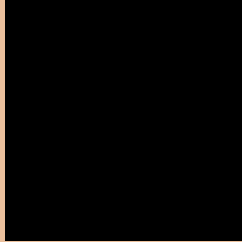
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.1113, 57.7617, 39.4861

## Background



This preview shows how black text looks on a background with the XYZ color 59.1113, 57.7617, 39.4861.



This preview shows how white text looks on a background with the XYZ color 59.1113, 57.7617,

39.4861.

# 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

59.1113, 57.7617, 39.4861

### Protanopia

54.4400, 57.9928, 41.5821

### Deuteranopia

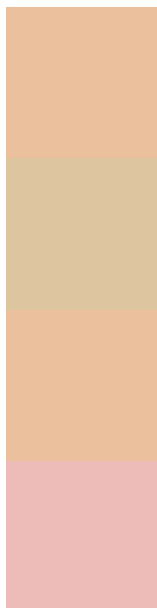
59.1113, 57.7617, 39.4861



## Tritanopia

63.9194, 57.8132, 62.4337

# Trichromacy



## Original Color

59.1113, 57.7617, 39.4861

## Protanomaly

56.0431, 57.8079, 41.0051

## Deuteranomaly

59.1113, 57.7617, 39.4861

## Tritanomaly

61.8948, 57.6043, 53.2039

# Monochromacy



## Original Color

59.1113, 57.7617, 39.4861

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

56.3916, 58.0371, 54.1291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.1113, 57.7617, 39.4861 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(235, 192, 156)` looks like.

```
.text, #text, p{  
    color:rgb(235, 192, 156)  
}
```

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(235, 192, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 192, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 59.1113, 57.7617, 39.4861 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(235, 192, 156) }
```



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

```
.border{ border-color:rgb(235, 192, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 192, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 192, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 192, 156);  
box-shadow:4px 4px 4px 4px rgb(235, 192,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.1113, 57.7617, 39.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 192, 156) }
```

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

```
.background{ background-color: rgb(235,  
192, 156) }
```

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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