

# Converting Colors

XYZ(58.5457, 58.4223, 37.2213)

Have a look what the booklet for  
XYZ(58.5457, 58.4223, 37.2213)  
contains.

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# **Color**

**XYZ(58.6244, 58.5559,  
37.0667)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9C396
RGB	233, 195, 150
RGB Percent	91%, 76%, 59%
CMY	0.0863, 0.2353, 0.4118
CMYK	0.00, 0.16, 0.36, 0.09
HSL	33°, 65%, 75%
HSV	33°, 36%, 91%
XYZ	58.6244, 58.5559, 37.0667
YIQ	201.2320, 37.0930, -5.9390

# Conversions

## Conversions Part 2

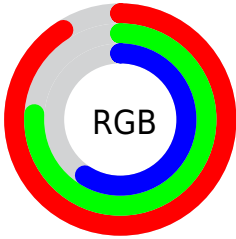
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 233, 150
Decimal	15319958
CIE Lab	81.05, 7.31, 27.67
CIE LCh	81, 28.622, 75.204
Yxy	58.5559, 0.3801, 0.3796
Android (android.graphics.Color)	4293510038 (0xFFE9C396)
YUV	201.2320, -25.2574, 27.8605
Hunter-Lab	76.5218, 2.8381, 24.8456

# Details

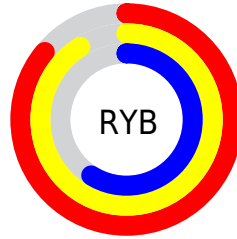
The XYZ color **58.6244, 58.5559, 37.0667** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.2682, 48.3319, 84.0339**, and the grayscale version is **55.7982, 58.7041, 63.9288**.

A 20% lighter version of the original color is **86.9495, 95.2404, 70.9273**, and **29.6815, 29.1807, 15.8724** is the 20% darker color. If you saturate the color by 10%, you get **54.6268, 53.2706, 27.3800**, and if you desaturate by 10%, it is **63.1688, 64.3373, 48.7774**.

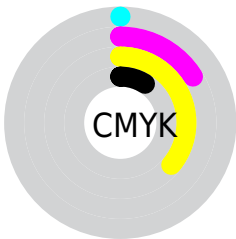
# Distribution



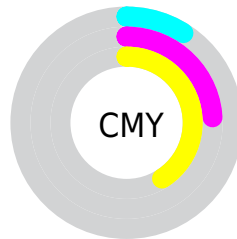
- Red (91%)
- Green (76%)
- Blue (59%)



- Red (86%)
- Yellow (91%)
- Blue (59%)



- Cyan (0%)
- Magenta (16%)
- Yellow (36%)
- Black (9%)




- Cyan (9%)
- Magenta (24%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6244, 58.5559, 37.0667 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 58.6244, 58.5559, 37.0667 by changing the saturation by 10% instead.





 58.6244, 58.5559,  
37.0667

 58.6244, 58.5559,  
37.0667


409.4250,  
419.2542, 348.7766

 42.5560, 42.2557,  
24.9629


 101.9493,  
102.7319, 71.8628

 29.7299, 29.3016,  
15.8307


 129.9366,  
131.3766, 95.3923

 19.7807, 19.3091,  
9.2514

162.6276,  
164.9048, 123.5674

 12.3431, 11.8938,  
4.8065

200.3876,  
203.7011, 156.8067

 7.0517, 6.6714,  
2.0774

243.5819,  
248.1498, 195.5287

 3.5410, 3.2575,  
0.6023

292.5761,

 1.4459, 1.2676,

298.6353, 240.1520

0.0000

347.7353,  
355.5419, 291.0951

■ 0.2886, 0.1159,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.6244, 58.5559,  
37.0667

■ 58.6244, 58.5559,  
37.0667

■ 54.6268, 53.2706,  
27.3800

■ 63.1688, 64.3373,  
48.7774

■ 51.1458, 48.4573,  
19.5954

■ 68.2793, 70.6217,  
62.6170

■ 48.1546, 44.1016,  
13.5836

■ 73.9797, 77.4261,  
78.6875

■ 45.6217, 40.1848,  
9.1969

■ 80.2909, 84.7640,  
97.0831

■ 43.5107, 36.6860,  
6.2638

■ 85.3251, 91.8852,  
107.8462

■ 41.7778, 33.5813,  
4.5729

■ 87.4143, 96.0636,  
108.5427

■ 41.1087, 32.3325,  
4.0741

# Harmonies

## Analogous

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



64.0994, 58.5559, 43.2435



58.6244, 58.5559, 37.0667



52.7128, 58.5559, 37.1088

# Triad

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



58.6244, 58.5559, 37.0667



45.3429, 58.5559, 72.7292



64.1628, 58.5559, 89.7007

# Complementary

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



58.6244, 58.5559, 37.0667



45.2682, 48.3319, 84.0339

# 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.



58.7060, 58.5559, 100.8300



58.6244, 58.5559, 37.0667



47.9880, 58.5559, 89.9082

# Square

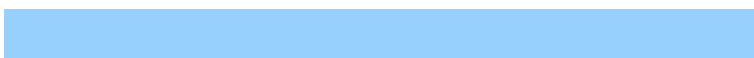
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.6244, 58.5559, 37.0667



45.3245, 58.5559, 55.7616



52.7888, 58.5559, 100.9120



67.4482, 58.5559, 72.4832



# Rectangle

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



58.6244, 58.5559, 37.0667



49.3258, 58.5559, 40.5854



52.7888, 58.5559, 100.9120



62.5051, 58.5559, 94.4031

# Sweetspot

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



58.6259, 58.5586, 37.0679



86.8979, 90.4026, 85.5063



53.6674, 42.7995, 53.4255



18.3981, 19.1085, 17.7359



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.



58.6259, 58.5586, 37.0679



68.1628, 66.8849, 36.2473



67.3521, 77.3415, 40.2334



15.7422, 16.4074, 15.8560



23.4515, 18.5972, 2.3536



1.9375, 1.6524, 0.2168

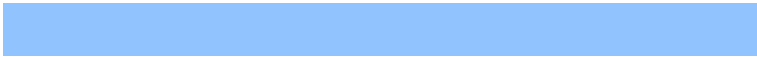


# Inverse Universe

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



45.2682, 48.3319, 84.0339



49.4261, 52.5461, 102.1451



38.7078, 34.4462, 81.6994



14.7993, 15.6850, 19.1698



11.4296, 9.5062, 44.9754



0.9927, 0.9368, 3.5634



# Previews

## White Background



This preview shows how the XYZ color 58.6244, 58.5559, 37.0667 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

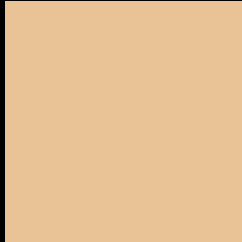
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.6244, 58.5559, 37.0667 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

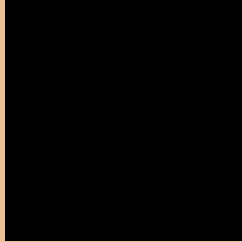
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.6244, 58.5559, 37.0667**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.6244, 58.5559, 37.0667.



This preview shows how white text looks on a background with the XYZ color 58.6244, 58.5559,

37.0667.

# 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

58.6244, 58.5559, 37.0667

### Protanopia

54.6607, 58.5203, 38.5516

### Deuteranopia

59.8349, 58.5191, 36.9958



## Tritanopia

64.3593, 58.6290, 64.4243

# Trichromacy



## Original Color

58.6244, 58.5559, 37.0667

## Protanomaly

56.2151, 58.6434, 38.0622

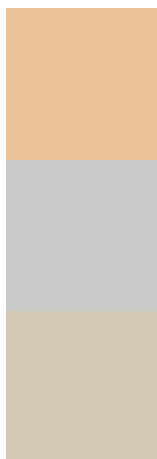
## Deuteranomaly

59.3889, 58.6184, 37.0385

## Tritanomaly

62.2076, 58.7268, 53.4041

# Monochromacy



## Original Color

58.6244, 58.5559, 37.0667

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

56.3075, 58.3704, 52.5549

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.6244, 58.5559, 37.0667 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(233, 195, 150)` looks like.

```
.text, #text, p{  
    color:rgb(233, 195, 150)  
}
```

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(233, 195, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 195, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 58.6244, 58.5559, 37.0667 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(233, 195, 150) }
```



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

```
.border{ border-color:rgb(233, 195, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 195, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 195, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 195, 150);  
box-shadow:4px 4px 4px 4px rgb(233, 195,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.6244, 58.5559, 37.0667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 195, 150) }
```

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

```
.background{ background-color: rgb(233,  
195, 150) }
```

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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