

# Converting Colors

XYZ(57.3034, 63.2864, 13.8987)

Have a look what the booklet for  
XYZ(57.3034, 63.2864, 13.8987)  
contains.

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# Color

**XYZ(57.3019, 63.2834,  
13.8974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D13F
RGB	233, 209, 63
RGB Percent	91%, 82%, 25%
CMY	0.0863, 0.1804, 0.7529
CMYK	0.00, 0.10, 0.73, 0.09
HSL	52°, 79%, 58%
HSV	52°, 73%, 91%
XYZ	57.3019, 63.2834, 13.8974
YIQ	199.5320, 61.1700, -40.3180

# Conversions

## Conversions Part 2

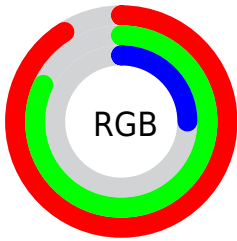
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	91, 233, 63
Decimal	15323455
CIE Lab	83.59, -6.88, 71.01
CIE LCh	84, 71.344, 95.536
Yxy	63.2834, 0.4261, 0.4706
Android (android.graphics.Color)	4293513535 (0xFFE9D13F)
YUV	199.5320, -67.3103, 29.3514
Hunter-Lab	79.5509, -10.6373, 45.3277

# Details

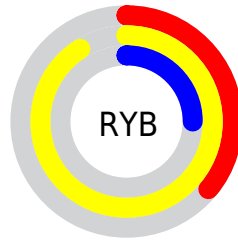
The XYZ color **57.3019, 63.2834, 13.8974** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **20.1661, 13.7562, 78.6826**, and the grayscale version is **54.9877, 57.8513, 63.0001**.

A 20% lighter version of the original color is **80.3902, 94.1361, 31.7024**, and **28.9549, 32.3269, 4.7136** is the 20% darker color. If you saturate the color by 10%, you get **55.9854, 61.4815, 10.8977**, and if you desaturate by 10%, it is **58.9133, 65.2348, 18.3552**.

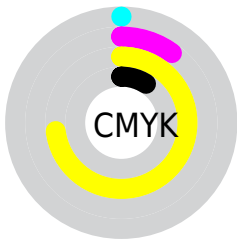
# Distribution



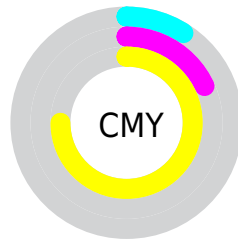
- Red (91%)
- Green (82%)
- Blue (25%)



- Red (36%)
- Yellow (91%)
- Blue (25%)



- Cyan (0%)
- Magenta (10%)
- Yellow (73%)
- Black (9%)



- Cyan (9%)
- Magenta (18%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3019, 63.2834, 13.8974 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 57.3019, 63.2834, 13.8974 by changing the saturation by 10% instead.



■ 57.3019, 63.2834,  
13.8974

■ 57.3019, 63.2834,  
13.8974

404.5755,  
436.5973, 227.9978

■ 41.4888, 46.0705,  
7.9114

■ 100.0344,  
109.5783, 33.6214

■ 28.8905, 32.3015,  
3.9513

■ 127.6844,  
139.4290, 48.1964

■ 19.1419, 21.5919,  
1.5987

■ 160.0108,  
174.2612, 66.4716

■ 11.8775, 13.5573,  
0.2899

■ 197.3789,  
214.4592, 88.8654

■ 6.7319, 7.8134,  
0.0000

■ 240.1541,  
260.4074, 115.7964

■ 3.3398, 3.9758,  
0.0000

288.7017,

■ 1.3359, 1.6600,

312.4903, 147.6831

0.0000

343.3870,  
371.0921, 184.9440

■ 0.2099, 0.3976,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.3019, 63.2834,  
13.8974

■ 57.3019, 63.2834,  
13.8974

■ 55.9854, 61.4815,  
10.8977

■ 58.9133, 65.2348,  
18.3552

■ 54.9220, 59.8048,  
9.1550

■ 60.8463, 67.3392,  
24.4302

■ 54.2846, 58.6847,  
8.4662

■ 63.1292, 69.6105,  
32.2648

■ 65.7860, 72.0586,  
41.9849

■ 68.8386, 74.6922,  
53.7048

■ 72.3070, 77.5195,  
67.5297

■ 76.2098, 80.5482,  
83.5575

■ 80.5646, 83.7854,  
101.8797

■ 82.4045, 86.0444,  
106.8728

# Harmonies

## Analogous

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



73.4427, 63.2834, 16.5662



57.3019, 63.2834, 13.8974



44.3480, 63.2834, 19.9809

# Triad

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



57.3019, 63.2834, 13.8974



38.8966, 63.2834, 131.8501



91.7840, 63.2834, 110.9438

# Complementary

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



57.3019, 63.2834, 13.8974



20.1661, 13.7562, 78.6826

# 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.



79.3174, 63.2834, 165.0904



57.3019, 63.2834, 13.8974



48.5648, 63.2834, 180.3755

# Square

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



57.3019, 63.2834, 13.8974



34.9647, 63.2834, 77.5274



63.0888, 63.2834, 194.6199



95.2089, 63.2834, 60.9466



# Rectangle

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



57.3019, 63.2834, 13.8974



38.6563, 63.2834, 30.8338



63.0888, 63.2834, 194.6199



88.4179, 63.2834, 129.8311

# Sweetspot

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



57.3034, 63.2864, 13.8987



84.8230, 91.9506, 67.2496



37.1642, 21.5921, 11.5513



17.9240, 19.4866, 13.4888



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.



57.3034, 63.2864, 13.8987



67.9575, 74.3077, 12.0299



47.3807, 67.5778, 15.2500



16.1602, 17.2434, 15.9953



30.8719, 33.4381, 4.8271



2.4740, 2.7252, 0.3956



# Inverse Universe

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



20.1661, 13.7562, 78.6826



20.3405, 10.9800, 95.6550



24.5831, 13.6131, 78.4221



14.4027, 14.8918, 19.0376



8.7052, 4.0574, 44.0673



0.7374, 0.4262, 3.4783



# Previews

## White Background



This preview shows how the XYZ color 57.3019, 63.2834, 13.8974 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 57.3019, 63.2834, 13.8974 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 57.3019, 63.2834, 13.8974**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.3019, 63.2834, 13.8974.



This preview shows how white text looks on a background with the XYZ color 57.3019, 63.2834,



# 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

57.3019, 63.2834, 13.8974

### Protanopia

57.6294, 63.4522, 13.9127

### Deuteranopia

63.9637, 63.0269, 20.8508



## Tritanopia

68.8042, 63.0958, 69.5251

# Trichromacy



## Original Color

57.3019, 63.2834, 13.8974

## Protanomaly

57.6294, 63.4522, 13.9127

## Deuteranomaly

61.4340, 63.1741, 17.9727

## Tritanomaly

63.0157, 62.4436, 40.6298

# Monochromacy



## Original Color

57.3019, 63.2834, 13.8974

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

54.0123, 58.9109, 37.3784

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.3019, 63.2834, 13.8974 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, 209, 63)` looks like.

```
.text, #text, p{  
    color:rgb(233, 209, 63)  
}
```

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, 209, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 209, 63) }
```

## Border

The CSS property to change the border of an element to XYZ 57.3019, 63.2834, 13.8974 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, 209, 63) }
```



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

```
.border{ border-color:rgb(233, 209, 63) }
```

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

Here you see how a box with a 4 pixel rgb(233, 209, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 209, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 209, 63);  
box-shadow:4px 4px 4px 4px rgb(233, 209,  
63) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.3019, 63.2834, 13.8974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 209, 63) }
```

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

```
.background{ background-color: rgb(233,  
209, 63) }
```

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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