

# Converting Colors

XYZ(58.7947, 57.5752, 11.1463)

Have a look what the booklet for  
XYZ(58.7947, 57.5752, 11.1463)  
contains.

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# **Color**

**XYZ(58.7947, 57.5752,  
11.1463)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBBE33
RGB	251, 190, 51
RGB Percent	98%, 75%, 20%
CMY	0.0157, 0.2549, 0.8000
CMYK	0.00, 0.24, 0.80, 0.02
HSL	42°, 96%, 59%
HSV	42°, 80%, 98%
XYZ	58.7947, 57.5752, 11.1463
YIQ	192.3930, 80.9750, -30.2970

# Conversions

## Conversions Part 2

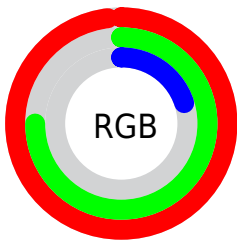
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 251, 51
Decimal	16498227
CIELab	80.50, 10.07, 72.82
CIELCh	81, 73.516, 82.128
Yxy	57.5752, 0.4611, 0.4515
Android (android.graphics.Color)	4294688307 (0xFFFBBE33)
YUV	192.3930, -69.7067, 51.3983
Hunter-Lab	75.8783, 5.5246, 44.4053

# Details

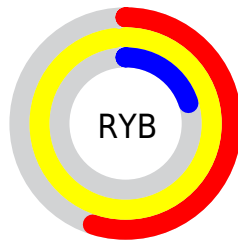
The XYZ color **58.7947, 57.5752, 11.1463** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **24.5719, 19.2568, 93.6880**, and the grayscale version is **50.6964, 53.3366, 58.0835**.

A 20% lighter version of the original color is **76.9561, 88.2757, 27.4509**, and **30.1809, 28.8385, 3.9757** is the 20% darker color. If you saturate the color by 10%, you get **56.7689, 54.1836, 8.4382**, and if you desaturate by 10%, it is **61.2084, 61.2660, 15.4562**.

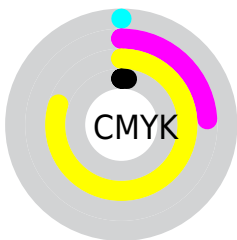
# Distribution



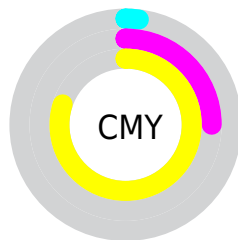
- Red (98%)
- Green (75%)
- Blue (20%)



- Red (55%)
- Yellow (98%)
- Blue (20%)



- Cyan (0%)
- Magenta (24%)
- Yellow (80%)
- Black (2%)



- Cyan (2%)
- Magenta (25%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7947, 57.5752, 11.1463 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 58.7947, 57.5752, 11.1463 by changing the saturation by 10% instead.



■ 58.7947, 57.5752,  
11.1463

■ 58.7947, 57.5752,  
11.1463

410.0470,  
415.6012, 209.4419

■ 42.6936, 41.4672,  
6.0499

■ 102.1956,  
101.3040, 28.5712

■ 29.8383, 28.6843,  
2.8062

■ 130.2260,  
129.6936, 41.7367

■ 19.8633, 18.8422,  
0.9965

■ 162.9637,  
162.9459, 58.4291

■ 12.4034, 11.5563,  
0.0000

■ 200.7739,  
201.4452, 79.0668

■ 7.0932, 6.4423,  
0.0000

■ 244.0219,  
245.5760, 104.0684

■ 3.5673, 3.1159,  
0.0000

293.0732,

■ 1.4604, 1.1925,

295.7227, 133.8524

0.0000

348.2931,  
352.2696, 168.8374

■ 0.2986, 0.0556,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.7947, 57.5752,  
11.1463

■ 58.7947, 57.5752,  
11.1463

■ 56.7689, 54.1836,  
8.4382

■ 61.2084, 61.2660,  
15.4562


■ 55.0589, 51.0531,  
6.9755


■ 64.0495, 65.2669,  
21.5868


■ 55.0068, 50.9560,  
6.9363


■ 67.3560, 69.5973,  
29.7257


■ 71.1601, 74.2722,  
40.0365

 75.4906, 79.3051,  
52.6655

 80.3742, 84.7084,  
67.7465

 85.8353, 90.4939,  
85.4029

 91.8969, 96.6725,  
105.7497

 93.5934, 99.2491,  
108.8318

# Harmonies

## Analogous

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



74.5389, 57.5752, 17.3126



58.7947, 57.5752, 11.1463



44.5057, 57.5752, 12.9205

# Triad

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



58.7947, 57.5752, 11.1463



32.0055, 57.5752, 99.4887



80.9719, 57.5752, 128.7933

# Complementary

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



58.7947, 57.5752, 11.1463



24.5719, 19.2568, 93.6880

# 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.



66.3965, 57.5752, 175.4740



58.7947, 57.5752, 11.1463



38.7735, 57.5752, 153.8249

# Square

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



58.7947, 57.5752, 11.1463



30.7198, 57.5752, 51.9827



50.8447, 57.5752, 186.2894



88.7913, 57.5752, 74.7742



# Rectangle

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



58.7947, 57.5752, 11.1463



37.4766, 57.5752, 19.0495



50.8447, 57.5752, 186.2894



76.5853, 57.5752, 146.7222

# Sweetspot

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



58.7960, 57.5781, 11.1474



81.0474, 85.3305, 63.1200



44.0239, 24.0998, 18.3517



16.9662, 17.8401, 12.3397



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.



58.7960, 57.5781, 11.1474



57.6865, 54.0635, 7.6878



62.9237, 83.5794, 15.9486



18.2545, 19.2449, 18.2149



29.0486, 27.0539, 3.6909



2.7839, 2.6926, 0.3730



# Inverse Universe

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



24.5719, 19.2568, 93.6880



21.4149, 13.7603, 96.1351



22.5900, 11.3918, 92.2744



16.7147, 17.5062, 21.8834



10.6431, 6.6419, 48.6946



1.0749, 0.7935, 4.5397



# Previews

## White Background



This preview shows how the XYZ color 58.7947, 57.5752, 11.1463 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 58.7947, 57.5752, 11.1463 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 58.7947, 57.5752, 11.1463**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.7947, 57.5752, 11.1463.



This preview shows how white text looks on a background with the XYZ color 58.7947, 57.5752,



# 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

58.7947, 57.5752, 11.1463

### Protanopia

52.3715, 57.5824, 11.8443

### Deuteranopia

58.7947, 57.5752, 11.1463



## Tritanopia

66.8745, 57.3060, 57.4057

# Trichromacy



## Original Color

58.7947, 57.5752, 11.1463

## Protanomaly

54.3142, 57.2293, 11.5519

## Deuteranomaly

58.7947, 57.5752, 11.1463

## Tritanomaly

62.6143, 56.8609, 32.8744

# Monochromacy



## Original Color

58.7947, 57.5752, 11.1463

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

50.8791, 53.3308, 32.8116

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.7947, 57.5752, 11.1463 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(251, 190, 51)` looks like.

```
.text, #text, p{  
    color:rgb(251, 190, 51)  
}
```

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(251, 190, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 190, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 58.7947, 57.5752, 11.1463 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(251, 190, 51) }
```



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

```
.border{ border-color:rgb(251, 190, 51) }
```

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

Here you see how a box with a 4 pixel rgb(251, 190, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 190, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 190, 51);  
box-shadow:4px 4px 4px 4px rgb(251, 190,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.7947, 57.5752, 11.1463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 190, 51) }
```

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

```
.background{ background-color: rgb(251,  
190, 51) }
```

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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