

# Converting Colors

XYZ(59.3755, 57.8424, 11.4644)

Have a look what the booklet for  
XYZ(59.3755, 57.8424, 11.4644)  
contains.

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# **Color**

**XYZ(59.2242, 57.7887,  
11.5229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCBE36
RGB	252, 190, 54
RGB Percent	99%, 75%, 21%
CMY	0.0118, 0.2549, 0.7882
CMYK	0.00, 0.25, 0.79, 0.01
HSL	41°, 97%, 60%
HSV	41°, 79%, 99%
XYZ	59.2242, 57.7887, 11.5229
YIQ	193.0340, 80.6080, -29.1520

# Conversions

## Conversions Part 2

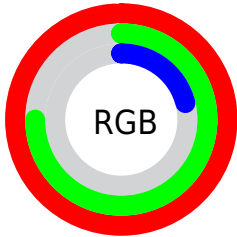
Format	Color
<a href="#">RYB</a>	<a href="#">144, 252, 54</a>
Decimal	<a href="#">16563766</a>
CIELab	<a href="#">80.62, 10.59, 71.99</a>
CIElCh	<a href="#">81, 72.762, 81.631</a>
Yxy	<a href="#">57.7887, 0.4608, 0.4496</a>
Android (android.graphics.Color)	<a href="#">4294753846 (0xFFFCBE36)</a>
YUV	<a href="#">193.0340, -68.5438, 51.7132</a>
Hunter-Lab	<a href="#">76.0189, 6.0314, 44.2261</a>

# Details

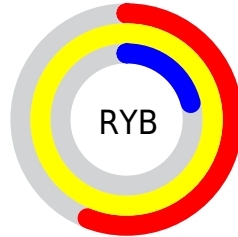
The XYZ color **59.2242, 57.7887, 11.5229** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **25.3372, 20.3028, 94.6782**, and the grayscale version is **51.0674, 53.7269, 58.5086**.

A 20% lighter version of the original color is **77.0650, 88.3192, 28.0245**, and **30.4315, 28.9677, 3.9874** is the 20% darker color. If you saturate the color by 10%, you get **57.1158, 54.2868, 8.6179**, and if you desaturate by 10%, it is **61.7339, 61.6039, 16.0733**.

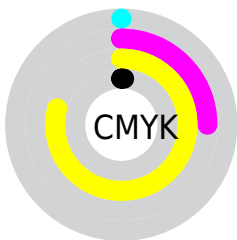
# Distribution



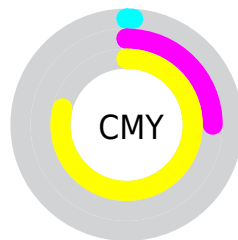
- Red (99%)
- Green (75%)
- Blue (21%)



- Red (56%)
- Yellow (99%)
- Blue (21%)



- Cyan (0%)
- Magenta (25%)
- Yellow (79%)
- Black (1%)



- Cyan (1%)
- Magenta (25%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2242, 57.7887, 11.5229 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 59.2242, 57.7887, 11.5229 by changing the saturation by 10% instead.



59.2242, 57.7887,  
11.5229

59.2242, 57.7887,  
11.5229

411.6130,  
416.3981, 212.0852

43.0407, 41.6388,  
6.3011

102.8162,  
101.6151, 29.2744

30.1117, 28.8186,  
2.9573

130.9554,  
130.0604, 42.6412

20.0719, 18.9436,  
1.0729

163.8106,  
163.3729, 59.5602

12.5559, 11.6295,  
0.0000

201.7470,  
201.9371, 80.4497

7.1983, 6.4920,  
0.0000

245.1301,  
246.1373, 105.7285

3.6339, 3.1465,  
0.0000

294.3253,

1.4972, 1.2087,

296.3579, 135.8150

0.0000

349.6978,  
352.9834, 171.1277

■ 0.3239, 0.0688,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.2242, 57.7887,  
11.5229

■ 59.2242, 57.7887,  
11.5229

■ 57.1158, 54.2868,  
8.6179

■ 61.7339, 61.6039,  
16.0733


■ 55.3442, 51.0629,  
7.0427

■ 64.6840, 65.7432,  
22.4853


■ 55.1069, 50.6200,  
6.8662


■ 68.1123, 70.2264,  
30.9454


■ 72.0511, 75.0684,  
41.6166

 76.5294, 80.2830,  
54.6451

 81.5737, 85.8829,  
70.1648

 87.2088, 91.8801,  
88.2993

 93.3603, 98.2467,  
108.6506

 93.9546, 99.4353,  
108.8487

# Harmonies

## Analogous

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



74.8044, 57.7887, 17.8896



59.2242, 57.7887, 11.5229



44.9831, 57.7887, 13.1863

# Triad

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



59.2242, 57.7887, 11.5229



32.2760, 57.7887, 98.4703



80.7304, 57.7887, 129.2297

# Complementary

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



59.2242, 57.7887, 11.5229



25.3372, 20.3028, 94.6782

# 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.



66.2367, 57.7887, 174.8944



59.2242, 57.7887, 11.5229



38.9244, 57.7887, 152.2268

# Square

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



59.2242, 57.7887, 11.5229



31.0838, 57.7887, 51.6681



50.8418, 57.7887, 184.8186



88.6153, 57.7887, 75.7019



# Rectangle

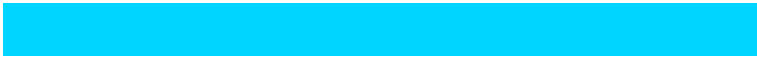
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.2242, 57.7887, 11.5229



37.9352, 57.7887, 19.2257



50.8418, 57.7887, 184.8186



76.3571, 57.7887, 146.8557

# Sweetspot

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



59.2255, 57.7916, 11.5240



80.9040, 85.0438, 63.0722



44.6575, 24.6115, 19.1350



16.9315, 17.7707, 12.3281



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.



59.2255, 57.7916, 11.5240



57.6394, 53.9175, 7.8324



63.7066, 84.4400, 16.4315



18.2422, 19.2202, 18.2108



28.8438, 26.6442, 3.6226



2.7661, 2.6571, 0.3671



# Inverse Universe

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



25.3372, 20.3028, 94.6782



21.9377, 14.6957, 96.2881



23.1360, 11.8560, 93.1638



16.7264, 17.5297, 21.8873



10.7210, 6.7975, 48.7205



1.0833, 0.8103, 4.5425



# Previews

## White Background



This preview shows how the XYZ color 59.2242, 57.7887, 11.5229 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 59.2242, 57.7887, 11.5229 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 59.2242, 57.7887, 11.5229**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.2242, 57.7887, 11.5229.



This preview shows how white text looks on a background with the XYZ color 59.2242, 57.7887,



# 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

59.2242, 57.7887, 11.5229

### Protanopia

52.6765, 58.0762, 12.3044

### Deuteranopia

59.2242, 57.7887, 11.5229



## Tritanopia

67.0757, 57.7083, 57.4727

# Trichromacy



## Original Color

59.2242, 57.7887, 11.5229

## Protanomaly

54.9410, 57.8802, 12.0177

## Deuteranomaly

59.2242, 57.7887, 11.5229

## Tritanomaly

62.8960, 57.3048, 33.3371

# Monochromacy



## Original Color

59.2242, 57.7887, 11.5229

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

51.4637, 53.9484, 33.2918

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2242, 57.7887, 11.5229 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(252, 190, 54)` looks like.

```
.text, #text, p{  
    color:rgb(252, 190, 54)  
}
```

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(252, 190, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 190, 54) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2242, 57.7887, 11.5229 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(252, 190, 54) }
```



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

```
.border{ border-color:rgb(252, 190, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 190, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 190, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 190, 54);  
box-shadow:4px 4px 4px 4px rgb(252, 190,  
54) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2242, 57.7887, 11.5229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 190, 54) }
```

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

```
.background{ background-color: rgb(252,  
190, 54) }
```

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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