

# Converting Colors

XYZ(112.5164, 85.1143,  
14.3689)

Have a look what the booklet for  
XYZ(112.5164, 85.1143, 14.3689)  
contains.

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# Color

**XYZ(60.3920, 58.3823,  
11.9568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBE39
RGB	255, 190, 57
RGB Percent	100%, 75%, 22%
CMY	0.0000, 0.2549, 0.7765
CMYK	0.00, 0.25, 0.78, 0.00
HSL	40°, 100%, 61%
HSV	40°, 78%, 100%
XYZ	60.3920, 58.3823, 11.9568
YIQ	194.2730, 81.4330, -27.5830

# Conversions

## Conversions Part 2

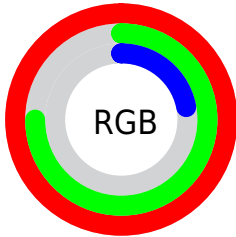
Format	Color
<a href="#">RYB</a>	<a href="#">154, 255, 57</a>
Decimal	<a href="#">16760377</a>
CIELab	<a href="#">80.95, 11.96, 71.38</a>
CIELCh	<a href="#">81, 72.377, 80.490</a>
Yxy	<a href="#">58.3823, 0.4620, 0.4466</a>
Android (android.graphics.Color)	<a href="#">4294950457</a> (0xFFFFBE39)
YUV	<a href="#">194.2730, -67.6756, 53.2576</a>
Hunter-Lab	<a href="#">76.4083, 7.3692, 44.2078</a>

# Details

The XYZ color **60.3920, 58.3823, 11.9568** 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 **26.6967, 22.0083, 97.4481**, and the grayscale version is **51.7963, 54.4938, 59.3437**.

A 20% lighter version of the original color is **77.2330, 88.3864, 28.9093**, and **30.9380, 29.2288, 4.0111** is the 20% darker color. If you saturate the color by 10%, you get **58.1474, 54.6686, 8.8189**, and if you desaturate by 10%, it is **63.0625, 62.4377, 16.8116**.

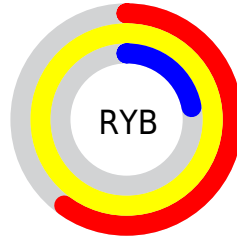
# Distribution



Red (100%)

Green (75%)

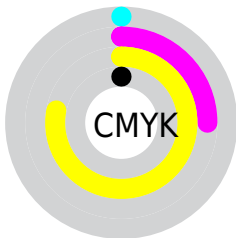
Blue (22%)



Red (60%)

Yellow (100%)

Blue (22%)

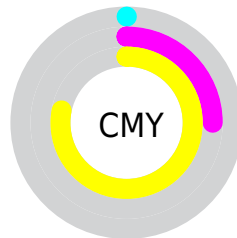


Cyan (0%)

Magenta (25%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.3920, 58.3823, 11.9568 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 60.3920, 58.3823, 11.9568 by changing the saturation by 10% instead.



60.3920, 58.3823,  
11.9568

60.3920, 58.3823,  
11.9568

415.8528,  
418.6090, 215.0868

43.9853, 42.1161,  
6.5921

104.5012,  
102.4794, 30.0796

30.8568, 29.1922,  
3.1338

132.9345,  
131.0790, 43.6748

20.6412, 19.2263,  
1.1633

166.1073,  
164.5585, 60.8506

12.9729, 11.8339,  
0.0000

204.3851,  
203.3024, 82.0254

7.4868, 6.6307,  
0.0000

248.1332,  
247.6950, 107.6180

3.8174, 3.2322,  
0.0000

297.7170,

1.5993, 1.2541,

298.1207, 138.0467

0.0000

353.5017,  
354.9639, 173.7301

■ 0.3920, 0.1053,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.3920, 58.3823,  
11.9568

■ 60.3920, 58.3823,  
11.9568

■ 58.1474, 54.6686,  
8.8189

■ 63.0625, 62.4377,  
16.8116

■ 56.2673, 51.2623,  
7.1014

■ 66.1985, 66.8462,  
23.6022

■ 55.8584, 50.4972,  
6.8029

■ 69.8389, 71.6284,  
32.5183

■ 74.0166, 76.8001,  
43.7258

■ 78.7614, 82.3757,  
57.3741

■ 84.1009, 88.3687,  
73.5999

■ 90.0603, 94.7916,  
92.5297

■ 95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



75.9297, 58.3823, 18.7738



60.3920, 58.3823, 11.9568



45.9976, 58.3823, 13.3501

# Triad

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



60.3920, 58.3823, 11.9568



32.6272, 58.3823, 97.0747



80.8398, 58.3823, 131.9038

# Complementary

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



60.3920, 58.3823, 11.9568



26.6967, 22.0083, 97.4481

# 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.



66.2073, 58.3823, 176.5322



60.3920, 58.3823, 11.9568



39.0941, 58.3823, 150.9262

# Square

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



60.3920, 58.3823, 11.9568



31.6353, 58.3823, 50.8781



50.8619, 58.3823, 184.7351



89.0606, 58.3823, 78.2107



# Rectangle

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



60.3920, 58.3823, 11.9568



38.7959, 58.3823, 19.1791



50.8619, 58.3823, 184.7351



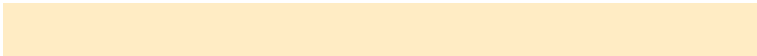
76.3961, 58.3823, 149.3169

# Sweetspot

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



60.3933, 58.3852, 11.9579



81.1666, 85.1073, 64.5831



46.2784, 25.6167, 21.2452



16.9703, 17.7602, 12.6131



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.



60.3933, 58.3852, 11.9579



57.1007, 52.8086, 7.7494



66.6227, 87.3446, 17.2193



19.0293, 20.0267, 19.0069



29.3296, 26.6704, 3.6021



2.9556, 2.7966, 0.3840



# Inverse Universe

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



26.6967, 22.0083, 97.4481



22.4518, 15.6574, 96.4466



23.7301, 12.3205, 95.7345



17.4900, 18.3515, 22.8703



11.1968, 7.3031, 50.2541



1.1851, 0.9009, 4.9247



# Previews

## White Background



This preview shows how the XYZ color 60.3920, 58.3823, 11.9568 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 60.3920, 58.3823, 11.9568 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 60.3920, 58.3823, 11.9568**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.3920, 58.3823, 11.9568.



This preview shows how white text looks on a background with the XYZ color 60.3920, 58.3823,



# 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

60.3920, 58.3823, 11.9568

### Protanopia

53.3002, 58.7361, 12.8029

### Deuteranopia

59.8773, 58.4397, 11.9950



## Tritanopia

67.3895, 58.1580, 58.1259

# Trichromacy



## Original Color

60.3920, 58.3823, 11.9568

## Protanomaly

55.9086, 58.7085, 12.5228

## Deuteranomaly

60.2424, 58.6278, 12.0121

## Tritanomaly

63.4145, 57.5546, 34.1524

# Monochromacy



## Original Color

60.3920, 58.3823, 11.9568

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

52.4229, 54.7525, 34.1909

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.3920, 58.3823, 11.9568 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(255, 190, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 57)  
}
```

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(255, 190, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 57) }
```

## Border

The CSS property to change the border of an element to XYZ 60.3920, 58.3823, 11.9568 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(255, 190, 57) }
```



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

```
.border{ border-color:rgb(255, 190, 57) }
```

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

Here you see how a box with a 4 pixel rgb(255, 190, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
57) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.3920, 58.3823, 11.9568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 57) }
```

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

```
.background{ background-color: rgb(255,  
190, 57) }
```

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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