

Converting Colors

XYZ(58.6572, 56.7245, 11.4502)

Have a look what the booklet for
XYZ(58.6572, 56.7245, 11.4502)
contains.

XYZ(58.8177, 56.9377, 11.5045)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.8177, 56.9377,
11.5045)**

Conversions

Conversions Part 1

Format	Color
Hex	FCBC37
RGB	252, 188, 55
RGB Percent	99%, 74%, 22%
CMY	0.0118, 0.2627, 0.7843
CMYK	0.00, 0.25, 0.78, 0.01
HSL	41°, 97%, 60%
HSV	41°, 78%, 99%
XYZ	58.8177, 56.9377, 11.5045
YIQ	191.9740, 80.8370, -27.7950

Conversions

Conversions Part 2

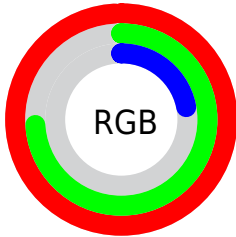
Format	Color
RYB	150, 252, 55
Decimal	16563255
CIELab	80.14, 11.67, 71.22
CIELCh	80, 72.165, 80.697
Yxy	56.9377, 0.4622, 0.4474
Android (android.graphics.Color)	4294753335 (0xFFFCBC37)
YUV	191.9740, -67.5282, 52.6428
Hunter-Lab	75.4571, 7.0883, 43.7804

Details

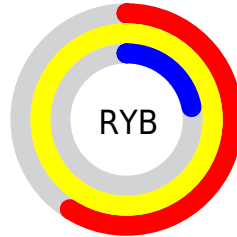
The XYZ color **58.8177, 56.9377, 11.5045** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **25.7429, 21.0337, 94.7979**, and the grayscale version is **50.4382, 53.0649, 57.7876**.

A 20% lighter version of the original color is **76.5153, 87.1312, 28.1145**, and **29.8992, 28.2751, 3.8818** is the 20% darker color. If you saturate the color by 10%, you get **56.6616, 53.3582, 8.5281**, and if you desaturate by 10%, it is **61.3836, 60.8444, 16.1381**.

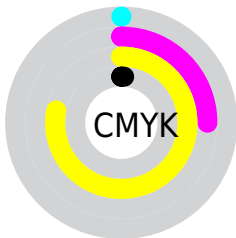
Distribution



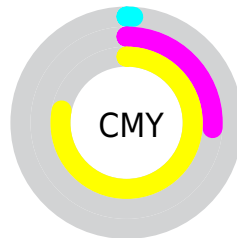
- Red (99%)
- Green (74%)
- Blue (22%)



- Red (59%)
- Yellow (99%)
- Blue (22%)



- Cyan (0%)
- Magenta (25%)
- Yellow (78%)
- Black (1%)



- Cyan (1%)
- Magenta (26%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8177, 56.9377, 11.5045 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 58.8177, 56.9377, 11.5045 by changing the saturation by 10% instead.

58.8177, 56.9377,
11.5045

58.8177, 56.9377,
11.5045

410.1309,
413.2158, 211.9569

42.7122, 40.9552,
6.2888

102.2288,
100.3743, 29.2402

29.8529, 28.2841,
2.9499

130.2651,
128.5972, 42.5972

19.8745, 18.5399,
1.0691

163.0091,
161.6690, 59.5052

12.4116, 11.3383,
0.0000

200.8260,
199.9741, 80.3825

7.0988, 6.2949,
0.0000

244.0813,
243.8970, 105.6478

3.5709, 3.0252,
0.0000

293.1403,

1.4623, 1.1449,

293.8220, 135.7196

0.0000

348.3684,
350.1334, 171.0165

■ 0.3000, 0.0160,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8177, 56.9377,
11.5045

■ 58.8177, 56.9377,
11.5045

■ 56.6616, 53.3582,
8.5281

■ 61.3836, 60.8444,
16.1381

■ 54.8529, 50.0716,
6.9060

■ 64.3983, 65.0896,
22.6434

■ 54.5454, 49.4968,
6.6790

■ 67.8996, 69.6932,
31.2060

■ 71.9196, 74.6705,
41.9882

■ 76.4875, 80.0355,
55.1357

■ 81.6299, 85.8012,
70.7819

■ 87.3717, 91.9798,
89.0501

■ 93.4764, 98.4790,
108.6893

■ 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.



74.0732, 56.9377, 18.0784



58.8177, 56.9377, 11.5045



44.7281, 56.9377, 12.9118

Triad

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



58.8177, 56.9377, 11.5045



31.7449, 56.9377, 95.2399



79.0744, 56.9377, 128.7243

Complementary

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



58.8177, 56.9377, 11.5045



25.7429, 21.0337, 94.7979

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.



64.7369, 56.9377, 172.7699



58.8177, 56.9377, 11.5045



38.1125, 56.9377, 148.1242

Square

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



58.8177, 56.9377, 11.5045



30.7378, 56.9377, 49.8061



49.6748, 56.9377, 181.1406



87.0862, 56.9377, 76.0271

Rectangle

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



58.8177, 56.9377, 11.5045



37.6969, 56.9377, 18.6409



49.6748, 56.9377, 181.1406



74.7246, 56.9377, 145.8729

Sweetspot

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



58.8190, 56.9405, 11.5056



81.2242, 85.2224, 64.6023



44.9420, 24.8006, 20.4015



16.9843, 17.7882, 12.6177



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.



58.8190, 56.9405, 11.5056



57.0772, 52.7929, 7.6450



64.7635, 84.9822, 16.6049



18.2243, 19.1845, 18.2049



28.5533, 26.0632, 3.5258



2.7408, 2.6065, 0.3587

Inverse Universe

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



25.7429, 21.0337, 94.7979



22.1808, 15.1818, 96.3691



22.9461, 11.8279, 93.1684



16.7434, 17.5637, 21.8929



10.8375, 7.0305, 48.7594



1.0958, 0.8352, 4.5466

Previews

White Background



This preview shows how the XYZ color 58.8177, 56.9377, 11.5045 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 58.8177, 56.9377, 11.5045 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 58.8177, 56.9377, 11.5045

Background



This preview shows how black text looks on a background with the XYZ color 58.8177, 56.9377, 11.5045.



This preview shows how white text looks on a background with the XYZ color 58.8177, 56.9377,

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

58.8177, 56.9377, 11.5045

Protanopia

51.6186, 56.8403, 12.2537

Deuteranopia

58.3115, 56.9950, 11.5422



Tritanopia

66.4547, 56.8185, 56.1797

Trichromacy



Original Color

58.8177, 56.9377, 11.5045

Protanomaly

54.1853, 56.8180, 11.9820

Deuteranomaly

58.6708, 57.1803, 11.5590

Tritanomaly

62.4087, 56.4498, 32.8059

Monochromacy



Original Color

58.8177, 56.9377, 11.5045

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

51.2448, 53.5107, 33.2189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8177, 56.9377, 11.5045 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, 188, 55)` looks like.

```
.text, #text, p{  
    color:rgb(252, 188, 55)  
}
```

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, 188, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 188, 55) }
```

Border

The CSS property to change the border of an element to XYZ 58.8177, 56.9377, 11.5045 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, 188, 55) }
```


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

```
.border{ border-color:rgb(252, 188, 55) }
```

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

Here you see how a box with a 4 pixel rgb(252, 188, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 188, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 188, 55);  
box-shadow:4px 4px 4px 4px rgb(252, 188,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8177, 56.9377, 11.5045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 188, 55) }
```

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

```
.background{ background-color: rgb(252,  
188, 55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor