

Converting Colors

XYZ(60.3917, 58.0368, 13.0203)

Have a look what the booklet for
XYZ(60.3917, 58.0368, 13.0203)
contains.

XYZ(60.3917, 58.0368, 13.0203)	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(60.3917, 58.0368,
13.0203)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBD41
RGB	255, 189, 65
RGB Percent	100%, 74%, 25%
CMY	0.0000, 0.2588, 0.7451
CMYK	0.00, 0.26, 0.75, 0.00
HSL	39°, 100%, 63%
HSV	39°, 75%, 100%
XYZ	60.3917, 58.0368, 13.0203
YIQ	194.5980, 79.1400, -24.5720

Conversions

Conversions Part 2

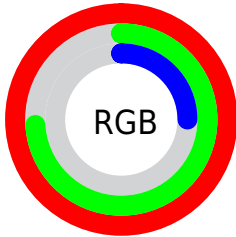
Format	Color
RYB	166, 255, 65
Decimal	16760129
CIELab	80.76, 12.78, 68.29
CIElCh	81, 69.479, 79.398
Yxy	58.0368, 0.4594, 0.4415
Android (android.graphics.Color)	4294950209 (0xFFFFBD41)
YUV	194.5980, -63.8918, 52.9726
Hunter-Lab	76.1819, 8.1841, 43.1940

Details

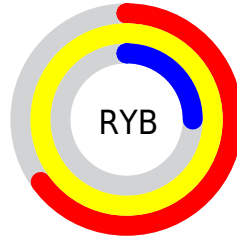
The XYZ color **60.3917, 58.0368, 13.0203** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **28.3460, 24.5756, 97.8566**, and the grayscale version is **51.9690, 54.6754, 59.5415**.

A 20% lighter version of the original color is **77.2826, 87.9209, 30.6665**, and **31.0523, 29.0777, 3.9759** is the 20% darker color. If you saturate the color by 10%, you get **57.9658, 54.1127, 9.3532**, and if you desaturate by 10%, it is **63.2697, 62.3326, 18.4825**.

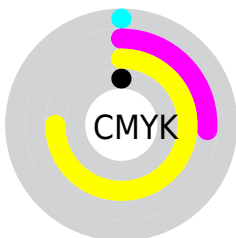
Distribution



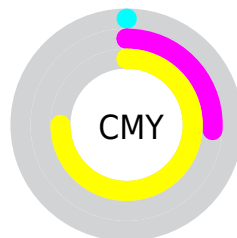
- Red (100%)
- Green (74%)
- Blue (25%)



- Red (65%)
- Yellow (100%)
- Blue (25%)



- Cyan (0%)
- Magenta (26%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (26%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.3917, 58.0368, 13.0203 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 60.3917, 58.0368, 13.0203 by changing the saturation by 10% instead.


 60.3917, 58.0368,
13.0203


 60.3917, 58.0368,
13.0203


415.8517,
417.3230, 222.2601


 43.9851, 41.8382,
7.3116


 104.5008,
101.9764, 32.0320

 30.8567, 28.9746,
3.5764


 132.9340,
130.4863, 46.1721


 20.6410, 19.0616,
1.3959


 166.1068,
163.8687, 63.9597

 12.9728, 11.7148,
0.1385

 204.3845,
202.5081, 85.8134

 7.4867, 6.5498,
0.0000

 248.1324,
246.7888, 112.1518

 3.8173, 3.1822,
0.0000

297.7161,

 1.5993, 1.2276,

297.0953, 143.3933

0.0000

353.5007,
353.8119, 179.9566

■ 0.3920, 0.0841,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.3917, 58.0368,
13.0203

■ 60.3917, 58.0368,
13.0203

■ 57.9658, 54.1127,
9.3532

■ 63.2697, 62.3326,
18.4825

■ 55.9372, 50.5281,
7.2203

■ 66.6376, 67.0115,
25.9466

■ 54.9539, 48.6883,
6.5014

■ 70.5329, 72.0938,
35.5944

■ 74.9879, 77.5955,
47.5863

■ 80.0318, 83.5314,
62.0675

■ 85.6917, 89.9152,
79.1713

■ 91.9927, 96.7597,
99.0214

■ 95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



75.1195, 58.0368, 20.2041



60.3917, 58.0368, 13.0203



46.5034, 58.0368, 14.1444

Triad

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



60.3917, 58.0368, 13.0203



33.0307, 58.0368, 93.2088



78.8525, 58.0368, 129.7616

Complementary

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



60.3917, 58.0368, 13.0203



28.3460, 24.5756, 97.8566

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.



64.8342, 58.0368, 170.7506



60.3917, 58.0368, 13.0203



39.0954, 58.0368, 144.0905

Square

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



60.3917, 58.0368, 13.0203



32.2594, 58.0368, 49.7500



50.2437, 58.0368, 176.9025



86.9394, 58.0368, 78.8608

Rectangle

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



60.3917, 58.0368, 13.0203



39.4495, 58.0368, 19.7092



50.2437, 58.0368, 176.9025



74.5752, 58.0368, 145.9472

Sweetspot

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



60.3930, 58.0397, 13.0214



81.3930, 85.0905, 66.1062



47.2611, 26.6933, 24.3131



17.1069, 17.8525, 13.2164



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.



60.3930, 58.0397, 13.0214



57.0092, 52.4621, 8.2232



68.2350, 88.1509, 18.4201



18.9990, 19.9662, 18.9968



28.8599, 25.7309, 3.4455



2.9122, 2.7098, 0.3696

Inverse Universe

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



28.3460, 24.5756, 97.8566



23.7753, 17.9576, 96.8208



24.5058, 13.3546, 95.8931



17.5189, 18.4095, 22.8800



11.4048, 7.7193, 50.3235



1.2080, 0.9466, 4.9323

Previews

White Background



This preview shows how the XYZ color 60.3917, 58.0368, 13.0203 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 60.3917, 58.0368, 13.0203 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 60.3917, 58.0368, 13.0203

Background



This preview shows how black text looks on a background with the XYZ color 60.3917, 58.0368, 13.0203.



This preview shows how white text looks on a background with the XYZ color 60.3917, 58.0368,

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

60.3917, 58.0368, 13.0203

Protanopia

52.9814, 58.1982, 13.9098

Deuteranopia

59.3399, 58.1410, 12.9453



Tritanopia

67.2783, 58.1135, 57.5403

Trichromacy



Original Color

60.3917, 58.0368, 13.0203

Protanomaly

55.5714, 58.1706, 13.6093

Deuteranomaly

59.4838, 57.8925, 12.8897

Tritanomaly

63.5688, 57.6163, 34.9647

Monochromacy



Original Color

60.3917, 58.0368, 13.0203

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

53.0305, 55.0298, 35.8438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.3917, 58.0368, 13.0203 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, 189, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 65)  
}
```

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, 189, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 65) }
```

Border

The CSS property to change the border of an element to XYZ 60.3917, 58.0368, 13.0203 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, 189, 65) }
```


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

```
.border{ border-color:rgb(255, 189, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 60.3917, 58.0368, 13.0203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 65) }
```

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

```
.background{ background-color: rgb(255,  
189, 65) }
```

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