

Converting Colors

XYZ(61.0698, 58.8045, 15.0615)

Have a look what the booklet for
XYZ(61.0698, 58.8045, 15.0615)
contains.

XYZ(60.9930, 58.6227, 15.1218)	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(60.9930, 58.6227,
15.1218)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBE4D
RGB	255, 190, 77
RGB Percent	100%, 75%, 30%
CMY	0.0000, 0.2549, 0.6980
CMYK	0.00, 0.25, 0.70, 0.00
HSL	38°, 100%, 65%
HSV	38°, 70%, 100%
XYZ	60.9930, 58.6227, 15.1218
YIQ	196.5530, 75.0130, -21.3630

Conversions

Conversions Part 2

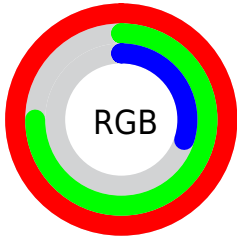
Format	Color
RYB	179, 255, 77
Decimal	16760397
CIELab	81.08, 12.81, 63.81
CIElCh	81, 65.086, 78.652
Yxy	58.6227, 0.4527, 0.4351
Android (android.graphics.Color)	4294950477 (0xFFFFBE4D)
YUV	196.5530, -58.9396, 51.2580
Hunter-Lab	76.5655, 8.2058, 41.8860

Details

The XYZ color **60.9930, 58.6227, 15.1218** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **30.7831, 28.1427, 98.4168**, and the grayscale version is **53.1150, 55.8812, 60.8546**.

A 20% lighter version of the original color is **78.2925, 88.8102, 34.4884**, and **31.2873, 29.3981, 4.5156** is the 20% darker color. If you saturate the color by 10%, you get **58.3106, 54.4276, 10.6228**, and if you desaturate by 10%, it is **64.1597, 63.2224, 21.5232**.

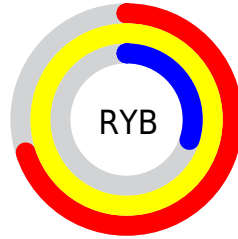
Distribution



Red (100%)

Green (75%)

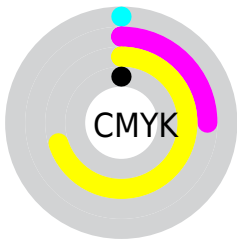
Blue (30%)



Red (70%)

Yellow (100%)

Blue (30%)

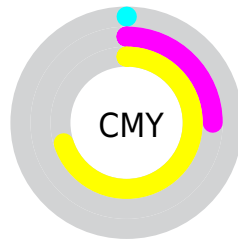


Cyan (0%)

Magenta (25%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (25%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.9930, 58.6227, 15.1218 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 60.9930, 58.6227, 15.1218 by changing the saturation by 10% instead.


 60.9930, 58.6227,
15.1218


 60.9930, 58.6227,
15.1218


418.0247,
419.5023, 235.7684

 44.4720, 42.3095,
8.7573


 105.3670,
102.8291, 35.8120

 31.2413, 29.3437,
4.4886


 133.9507,
131.4911, 50.9749

 20.9354, 19.3410,
1.8970


 167.2860,
165.0380, 69.9076

 13.1890, 11.9169,
0.4908

 205.7384,
203.8545, 93.0288

 7.6367, 6.6871,
0.0000

 249.6730,
248.3247, 120.7569

 3.9132, 3.2672,
0.0000

299.4554,

 1.6531, 1.2728,

298.8331, 153.5105

0.0000

355.4508,
355.7642, 191.7081

■ 0.4267, 0.1200,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9930, 58.6227,
15.1218

■ 60.9930, 58.6227,
15.1218

■ 58.3106, 54.4276,
10.6228

■ 64.1597, 63.2224,
21.5232

■ 56.0620, 50.6059,
7.7906

■ 67.8457, 68.2374,
30.0185

■ 54.1759, 47.1277,
6.2556

■ 72.0869, 73.6879,
40.7792

■ 54.1407, 47.0619,
6.2303

■ 76.9144, 79.5899,
53.9581

■ 82.3566, 85.9584,
69.6946

■ 88.4400, 92.8071,
88.1174

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.



74.7200, 58.6227, 22.6622



60.9930, 58.6227, 15.1218



47.8110, 58.6227, 16.0814

Triad

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



60.9930, 58.6227, 15.1218



34.5376, 58.6227, 90.7275



77.6043, 58.6227, 126.7374

Complementary

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



60.9930, 58.6227, 15.1218



30.7831, 28.1427, 98.4168

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.



64.4545, 58.6227, 163.5606



60.9930, 58.6227, 15.1218



40.2479, 58.6227, 137.6310

Square

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



60.9930, 58.6227, 15.1218



33.9182, 58.6227, 50.2715



50.7584, 58.6227, 168.2010



85.2943, 58.6227, 79.6307

Rectangle

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



60.9930, 58.6227, 15.1218



41.0070, 58.6227, 21.5518



50.7584, 58.6227, 168.2010



73.5862, 58.6227, 141.4238

Sweetspot

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



60.9943, 58.6256, 15.1229



81.6721, 85.1712, 67.6714



48.7965, 28.5292, 28.6318



17.1506, 17.8470, 13.5169



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.



60.9943, 58.6256, 15.1229



57.3171, 52.7794, 9.2461



70.1405, 89.0887, 20.5209



18.9709, 19.9099, 18.9875



28.4371, 24.8854, 3.3046



2.8730, 2.6313, 0.3565

Inverse Universe

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



30.7831, 28.1427, 98.4168



25.5547, 20.8838, 97.2918



26.0413, 15.2797, 96.1839



17.5460, 18.4637, 22.8890



11.6112, 8.1319, 50.3922



1.2302, 0.9912, 4.9397

Previews

White Background



This preview shows how the XYZ color 60.9930, 58.6227, 15.1218 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 60.9930, 58.6227, 15.1218 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 60.9930, 58.6227, 15.1218

Background



This preview shows how black text looks on a background with the XYZ color 60.9930, 58.6227, 15.1218.



This preview shows how white text looks on a background with the XYZ color 60.9930, 58.6227,

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

60.9930, 58.6227, 15.1218

Protanopia

53.6198, 58.8278, 16.1182

Deuteranopia

59.9729, 58.7443, 15.1991



Tritanopia

67.5936, 58.5662, 58.1939

Trichromacy



Original Color

60.9930, 58.6227, 15.1218

Protanomaly

56.1974, 58.7855, 15.7820

Deuteranomaly

60.1152, 58.4929, 15.1430

Tritanomaly

64.1749, 58.1923, 37.1280

Monochromacy



Original Color

60.9930, 58.6227, 15.1218

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

53.9550, 55.7889, 38.0616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.9930, 58.6227, 15.1218 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 77) }
```

Border

The CSS property to change the border of an element to XYZ 60.9930, 58.6227, 15.1218 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, 77) }
```


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

```
.border{ border-color:rgb(255, 190, 77) }
```

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, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 60.9930, 58.6227, 15.1218 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, 77) }
```

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

```
.background{ background-color: rgb(255,  
190, 77) }
```

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