

Converting Colors

XYZ(60.7680, 58.8805, 12.8649)

Have a look what the booklet for
XYZ(60.7680, 58.8805, 12.8649)
contains.

XYZ(60.7680, 58.8805, 12.8649)	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(60.7680, 58.8805,
12.8649)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBF3F
RGB	255, 191, 63
RGB Percent	100%, 75%, 25%
CMY	0.0000, 0.2510, 0.7529
CMYK	0.00, 0.25, 0.75, 0.00
HSL	40°, 100%, 62%
HSV	40°, 75%, 100%
XYZ	60.7680, 58.8805, 12.8649
YIQ	195.5440, 79.2320, -26.2400

Conversions

Conversions Part 2

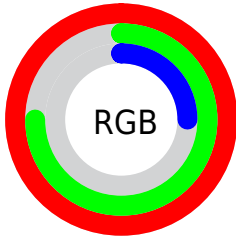
Format	Color
R _Y B	159, 255, 63
Decimal	16760639
CIE Lab	81.23, 11.66, 69.49
CIE LCh	81, 70.463, 80.472
Yxy	58.8805, 0.4586, 0.4443
Android (android.graphics.Color)	4294950719 (0xFFFFBF3F)
YUV	195.5440, -65.3442, 52.1429
Hunter-Lab	76.7336, 7.0764, 43.7732

Details

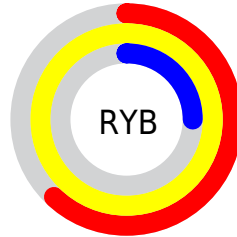
The XYZ color **60.7680, 58.8805, 12.8649** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **27.6890, 23.4547, 97.6749**, and the grayscale version is **52.5433, 55.2796, 60.1995**.

A 20% lighter version of the original color is **77.8305, 89.1134, 30.5513**, and **31.3366, 29.6463, 4.0707** is the 20% darker color. If you saturate the color by 10%, you get **58.4137, 55.0609, 9.3412**, and if you desaturate by 10%, it is **63.5622, 63.0530, 18.1628**.

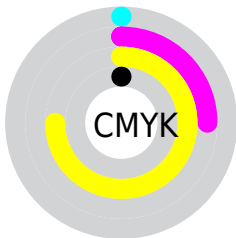
Distribution



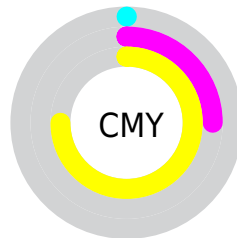
- Red (100%)
- Green (75%)
- Blue (25%)



- Red (62%)
- Yellow (100%)
- Blue (25%)



- Cyan (0%)
- Magenta (25%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.7680, 58.8805, 12.8649 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 60.7680, 58.8805, 12.8649 by changing the saturation by 10% instead.


 60.7680, 58.8805,
12.8649


 60.7680, 58.8805,
12.8649


417.2124,
420.4589, 221.2273

 44.2898, 42.5169,
7.2059


 105.0430,
103.2040, 31.7485

 31.0973, 29.5063,
3.5108


 133.5704,
131.9326, 45.8102


 20.8251, 19.4641,
1.3610


 166.8450,
165.5518, 63.5099

 13.1080, 12.0061,
0.1110

 205.2321,
204.4459, 85.2661

 7.5804, 6.7479,
0.0000

 249.0970,
248.9992, 111.4975

 3.8772, 3.3049,
0.0000

298.8051,

 1.6329, 1.2929,

299.5963, 142.6224

0.0000

354.7218,
356.6214, 179.0595

■ 0.4137, 0.1357,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.7680, 58.8805,
12.8649

■ 60.7680, 58.8805,
12.8649

■ 58.4137, 55.0609,
9.3412

■ 63.5622, 63.0530,
18.1628

■ 56.4438, 51.5618,
7.3255

■ 66.8344, 67.5892,
25.4444

■ 55.6158, 50.0121,
6.7220

■ 70.6221, 72.5093,
34.8932

■ 74.9578, 77.8290,
46.6711

■ 79.8706, 83.5626,
60.9241

■ 85.3876, 89.7234,
77.7864

■ 91.5338, 96.3240,
97.3823

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.



75.9218, 58.8805, 19.7855



60.7680, 58.8805, 12.8649



46.6601, 58.8805, 14.2819

Triad

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



60.7680, 58.8805, 12.8649



33.4650, 58.8805, 96.7481



80.6836, 58.8805, 130.5587

Complementary

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



60.7680, 58.8805, 12.8649



27.6890, 23.4547, 97.6749

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.



66.4294, 58.8805, 173.5923



60.7680, 58.8805, 12.8649



39.8517, 58.8805, 148.8717

Square

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



60.7680, 58.8805, 12.8649



32.4856, 58.8805, 51.6384



51.4204, 58.8805, 181.4614



88.6754, 58.8805, 78.4455

Rectangle

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



60.7680, 58.8805, 12.8649



39.5681, 58.8805, 20.1794



51.4204, 58.8805, 181.4614



76.3596, 58.8805, 147.3743

Sweetspot

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



60.7693, 58.8834, 12.8660



81.0816, 84.9372, 64.5547



46.8484, 26.3477, 22.6960



16.9496, 17.7187, 12.6062



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.



60.7693, 58.8834, 12.8660



57.4424, 53.3754, 8.2232



67.0885, 87.5664, 18.0693



19.0213, 20.0107, 19.0043



29.2037, 26.4186, 3.5601



2.9440, 2.7734, 0.3802

Inverse Universe

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



27.6890, 23.4547, 97.6749



23.2140, 16.9344, 96.6529



24.5473, 13.2085, 95.8627



17.4976, 18.3668, 22.8729



11.2505, 7.4106, 50.2720



1.1911, 0.9128, 4.9267

Previews

White Background



This preview shows how the XYZ color 60.7680, 58.8805, 12.8649 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 60.7680, 58.8805, 12.8649 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 60.7680, 58.8805, 12.8649

Background



This preview shows how black text looks on a background with the XYZ color 60.7680, 58.8805, 12.8649.



This preview shows how white text looks on a background with the XYZ color 60.7680, 58.8805,

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

60.7680, 58.8805, 12.8649

Protanopia

53.4679, 58.8032, 13.6863

Deuteranopia

60.2549, 58.9408, 12.9036



Tritanopia

67.9111, 59.0220, 58.8520

Trichromacy



Original Color

60.7680, 58.8805, 12.8649

Protanomaly

56.0733, 58.7743, 13.3902

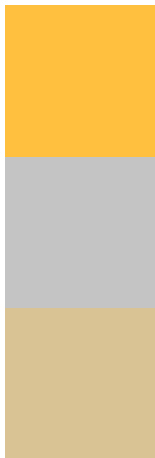
Deuteranomaly

60.6199, 59.1290, 12.9206

Tritanomaly

63.9872, 58.4531, 35.1042

Monochromacy



Original Color

60.7680, 58.8805, 12.8649

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

53.2524, 55.4734, 35.9177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.7680, 58.8805, 12.8649 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, 191, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 63)  
}
```

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, 191, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 63) }
```

Border

The CSS property to change the border of an element to XYZ 60.7680, 58.8805, 12.8649 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, 191, 63) }
```


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

```
.border{ border-color:rgb(255, 191, 63) }
```

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

Here you see how a box with a 4 pixel rgb(255, 191, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 60.7680, 58.8805, 12.8649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 63) }
```

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

```
.background{ background-color: rgb(255,  
191, 63) }
```

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