

Converting Colors

XYZ(60.1003, 57.2033, 13.6958)

Have a look what the booklet for
XYZ(60.1003, 57.2033, 13.6958)
contains.

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Color

**XYZ(60.1158, 57.2428,
13.6749)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBB46
RGB	255, 187, 70
RGB Percent	100%, 73%, 27%
CMY	0.0000, 0.2666, 0.7255
CMYK	0.00, 0.27, 0.73, 0.00
HSL	38°, 100%, 64%
HSV	38°, 73%, 100%
XYZ	60.1158, 57.2428, 13.6749
YIQ	193.9940, 78.0850, -21.9710

Conversions

Conversions Part 2

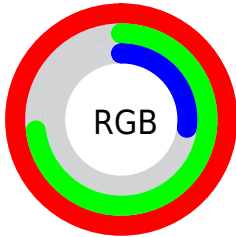
Format	Color
RYB	178, 255, 70
Decimal	16759622
CIELab	80.32, 14.04, 65.90
CIELCh	80, 67.383, 77.975
Yxy	57.2428, 0.4588, 0.4369
Android (android.graphics.Color)	4294949702 (0xFFFFBB46)
YUV	193.9940, -61.1290, 53.5023
Hunter-Lab	75.6590, 9.4262, 42.2450

Details

The XYZ color **60.1158, 57.2428, 13.6749** 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 **29.6639, 26.6981, 98.1969**, and the grayscale version is **51.5941, 54.2811, 59.1121**.

A 20% lighter version of the original color is **76.9923, 86.8419, 32.1063**, and **30.7732, 28.5195, 3.8829** is the 20% darker color. If you saturate the color by 10%, you get **57.5517, 53.1411, 9.6568**, and if you desaturate by 10%, it is **63.1538, 61.7463, 19.5366**.

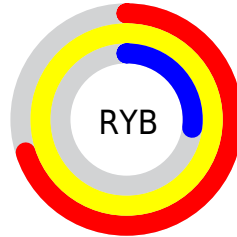
Distribution



Red (100%)

Green (73%)

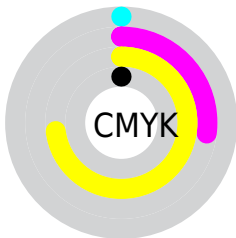
Blue (27%)



Red (70%)

Yellow (100%)

Blue (27%)

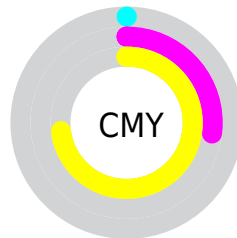


Cyan (0%)

Magenta (27%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.1158, 57.2428, 13.6749 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 60.1158, 57.2428, 13.6749 by changing the saturation by 10% instead.


 60.1158, 57.2428,
13.6749

 60.1158, 57.2428,
13.6749


414.8524,
414.3585, 226.5565

 43.7618, 41.2002,
7.7587


 104.1030,
100.8194, 33.2198

 30.6804, 28.4756,
3.8554


 132.4669,
129.1222, 47.6857


 20.5062, 18.6844,
1.5464


 165.5649,
162.2804, 65.8386

 12.8740, 11.4425,
0.2521

 203.7622,
200.6787, 88.0970

 7.4182, 6.3653,
0.0000

 247.4243,
244.7012, 114.8794

 3.7736, 3.0684,
0.0000

296.9164,

 1.5749, 1.1676,

294.7324, 146.6045

0.0000

352.6040,
351.1567, 183.6907

■ 0.3760, 0.0350,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.1158, 57.2428,
13.6749

■ 60.1158, 57.2428,
13.6749

■ 57.5517, 53.1411,
9.6568

■ 63.1538, 61.7463,
19.5366

■ 55.4085, 49.4092,
7.2329

■ 66.7026, 66.6633,
27.4421

■ 54.0332, 46.8468,
6.1945

■ 70.7991, 72.0146,
37.5687

■ 75.4755, 77.8165,
50.0736

80.7607, 84.0844,
65.0997

86.6818, 90.8325,
82.7783

93.2641, 98.0741,
103.2316

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.



74.1400, 57.2428, 21.2480



60.1158, 57.2428, 13.6749



46.6348, 57.2428, 14.4298

Triad

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



60.1158, 57.2428, 13.6749



32.8985, 57.2428, 88.7959



76.5555, 57.2428, 128.1679

Complementary

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



60.1158, 57.2428, 13.6749



29.6639, 26.6981, 98.1969

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.



62.9994, 57.2428, 165.9349



60.1158, 57.2428, 13.6749



38.5294, 57.2428, 137.3849

Square

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



60.1158, 57.2428, 13.6749



32.3922, 57.2428, 47.8190



49.0726, 57.2428, 169.8808



84.6494, 57.2428, 79.5091

Rectangle

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



60.1158, 57.2428, 13.6749



39.6803, 57.2428, 19.6099



49.0726, 57.2428, 169.8808



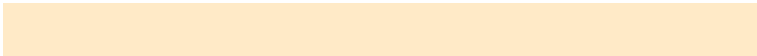
72.3908, 57.2428, 143.3063

Sweetspot

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



60.1171, 57.2456, 13.6760



81.0687, 84.4418, 65.9981



48.2318, 27.5613, 27.9454



17.0300, 17.6987, 13.1908



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.



60.1171, 57.2456, 13.6760



56.5490, 51.4354, 8.3974



70.6058, 89.3556, 19.3210



18.9671, 19.9024, 18.9862



28.3812, 24.7735, 3.2859



2.8677, 2.6208, 0.3547

Inverse Universe

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



29.6639, 26.6981, 98.1969



24.7772, 19.7362, 97.1113



24.6127, 13.8548, 95.9841



17.5497, 18.4710, 22.8902



11.6399, 8.1894, 50.4018



1.2333, 0.9974, 4.9408

Previews

White Background



This preview shows how the XYZ color 60.1158, 57.2428, 13.6749 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 60.1158, 57.2428, 13.6749 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 60.1158, 57.2428, 13.6749

Background



This preview shows how black text looks on a background with the XYZ color 60.1158, 57.2428, 13.6749.



This preview shows how white text looks on a background with the XYZ color 60.1158, 57.2428,

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

60.1158, 57.2428, 13.6749

Protanopia

52.3217, 57.4909, 14.8178

Deuteranopia

58.5546, 57.3963, 13.6227



Tritanopia

66.6544, 57.2179, 56.2463

Trichromacy



Original Color

60.1158, 57.2428, 13.6749

Protanomaly

54.9787, 57.1734, 14.4412

Deuteranomaly

59.0554, 57.3341, 13.5843

Tritanomaly

63.1563, 56.7912, 34.8272

Monochromacy



Original Color

60.1158, 57.2428, 13.6749

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

52.3745, 54.0305, 36.1023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.1158, 57.2428, 13.6749 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, 187, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 70)  
}
```

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, 187, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 70) }
```

Border

The CSS property to change the border of an element to XYZ 60.1158, 57.2428, 13.6749 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, 187, 70) }
```


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

```
.border{ border-color:rgb(255, 187, 70) }
```

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

Here you see how a box with a 4 pixel rgb(255, 187, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 60.1158, 57.2428, 13.6749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 70) }
```

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

```
.background{ background-color: rgb(255,  
187, 70) }
```

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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