

Converting Colors

XYZ(63.1388, 58.5404, 16.9905)

Have a look what the booklet for
XYZ(63.1388, 58.5404, 16.9905)
contains.

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Color

**XYZ(60.5192, 57.0659,
16.8419)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBA57
RGB	255, 186, 87
RGB Percent	100%, 73%, 34%
CMY	0.0000, 0.2706, 0.6588
CMYK	0.00, 0.27, 0.66, 0.00
HSL	35°, 100%, 67%
HSV	35°, 66%, 100%
XYZ	60.5192, 57.0659, 16.8419
YIQ	195.3450, 72.9030, -16.1610

Conversions

Conversions Part 2

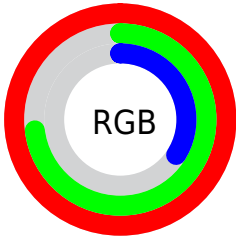
Format	Color
R_{YB}	204, 255, 87
Decimal	16759383
CIE _{Lab}	80.22, 15.42, 58.53
CIE _{LCh}	80, 60.530, 75.237
Yxy	57.0659, 0.4502, 0.4245
Android (android.graphics.Color)	4294949463 (0xFFFFBA57)
YUV	195.3450, -53.4141, 52.3174
Hunter-Lab	75.5420, 10.8039, 39.6608

Details

The XYZ color **60.5192, 57.0659, 16.8419** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **33.8683, 33.0217, 99.1960**, and the grayscale version is **52.3573, 55.0840, 59.9864**.

A 20% lighter version of the original color is **77.7258, 86.6577, 37.4410**, and **30.9102, 28.3542, 5.2826** is the 20% darker color. If you saturate the color by 10%, you get **57.5299, 52.4707, 11.5819**, and if you desaturate by 10%, it is **64.0406, 62.1373, 24.0948**.

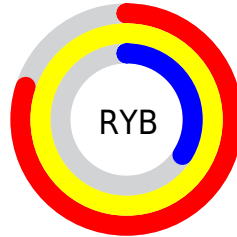
Distribution



Red (100%)

Green (73%)

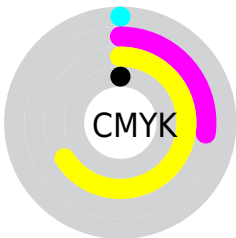
Blue (34%)



Red (80%)

Yellow (100%)

Blue (34%)

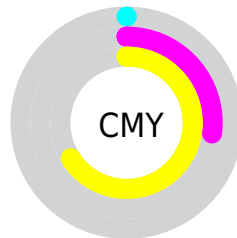


Cyan (0%)

Magenta (27%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.5192, 57.0659, 16.8419 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 60.5192, 57.0659, 16.8419 by changing the saturation by 10% instead.


 60.5192, 57.0659,
16.8419


 60.5192, 57.0659,
16.8419


416.3130,
413.6962, 246.2727

 44.0883, 41.0582,
9.9611


 104.6845,
100.5613, 38.8407


 30.9382, 28.3645,
5.2679


 133.1497,
128.8178, 54.7957

 20.7034, 18.6006,
2.3438


 166.3570,
161.9260, 74.6125

 13.0186, 11.3821,
0.7556

 204.6718,
200.2703, 98.7097

 7.5184, 6.3244,
0.0000

248.4594,
244.2350, 127.5057

 3.8376, 3.0433,
0.0000

298.0853,

 1.6107, 1.1544,

294.2047, 161.4192

0.0000

353.9147,
350.5636, 200.8687

■ 0.3993, 0.0240,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.5192, 57.0659,
16.8419

■ 60.5192, 57.0659,
16.8419

■ 57.5299, 52.4707,
11.5819

■ 64.0406, 62.1373,
24.0948

■ 55.0246, 48.3200,
8.0959

■ 68.1284, 67.6970,
33.5218

■ 52.9506, 44.5894,
6.1175

■ 72.8180, 73.7667,
45.2873

■ 52.1903, 43.1610,
5.5802

■ 78.1401, 80.3637,
59.5388

84.1235, 87.5043,
76.4115

90.7947, 95.2041,
96.0307

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



72.7406, 57.0659, 25.2737



60.5192, 57.0659, 16.8419



48.2345, 57.0659, 16.9028

Triad

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



60.5192, 57.0659, 16.8419



34.4007, 57.0659, 81.7785



72.9093, 57.0659, 123.3899

Complementary

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



60.5192, 57.0659, 16.8419



33.8683, 33.0217, 99.1960

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.



60.7232, 57.0659, 153.5733



60.5192, 57.0659, 16.8419



39.1758, 57.0659, 124.0183

Square

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



60.5192, 57.0659, 16.8419



34.3632, 57.0659, 46.3645



48.4098, 57.0659, 153.8391



80.5977, 57.0659, 81.1288

Rectangle

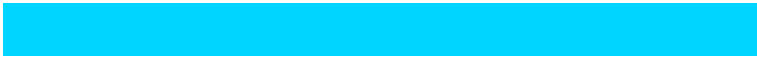
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.5192, 57.0659, 16.8419



41.6589, 57.0659, 21.4934



48.4098, 57.0659, 153.8391



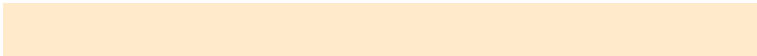
69.1276, 57.0659, 135.8888

Sweetspot

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



60.5205, 57.0687, 16.8430



81.5777, 84.4968, 69.1367



50.7341, 30.5111, 35.1141



17.1032, 17.6580, 13.7917



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.



60.5205, 57.0687, 16.8430



56.6991, 51.1296, 10.3155



73.7557, 90.9085, 22.6772



18.8992, 19.7665, 18.9636



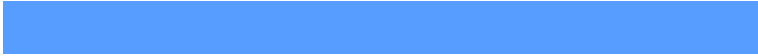
27.4214, 22.8540, 2.9660



2.7776, 2.4405, 0.3247

Inverse Universe

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



33.8683, 33.0217, 99.1960



28.3911, 25.6795, 98.0680



26.8254, 16.8036, 96.4368



17.6156, 18.6029, 22.9122



12.1946, 9.2988, 50.5867



1.2917, 1.1141, 4.9602

Previews

White Background



This preview shows how the XYZ color 60.5192, 57.0659, 16.8419 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 60.5192, 57.0659, 16.8419 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 60.5192, 57.0659, 16.8419

Background



This preview shows how black text looks on a background with the XYZ color 60.5192, 57.0659, 16.8419.



This preview shows how white text looks on a background with the XYZ color 60.5192, 57.0659,

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

60.5192, 57.0659, 16.8419

Protanopia

52.3614, 57.4360, 18.2241

Deuteranopia

58.4509, 57.2730, 16.7782



Tritanopia

66.6544, 57.2179, 56.2463

Trichromacy



Original Color

60.5192, 57.0659, 16.8419

Protanomaly

54.9648, 57.0920, 17.7958

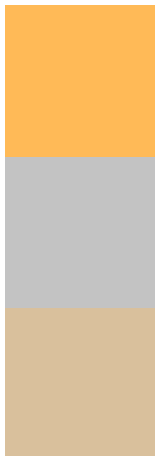
Deuteranomaly

59.3017, 57.3911, 16.7561

Tritanomaly

63.7177, 57.0158, 37.7839

Monochromacy



Original Color

60.5192, 57.0659, 16.8419

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

53.4657, 54.8513, 39.2219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.5192, 57.0659, 16.8419 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, 186, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 87)  
}
```

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, 186, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 87) }
```

Border

The CSS property to change the border of an element to XYZ 60.5192, 57.0659, 16.8419 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, 186, 87) }
```


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

```
.border{ border-color:rgb(255, 186, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 60.5192, 57.0659, 16.8419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 87) }
```

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

```
.background{ background-color: rgb(255,  
186, 87) }
```

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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