

Converting Colors

XYZ(61.7731, 58.4880, 20.6069)

Have a look what the booklet for
XYZ(61.7731, 58.4880, 20.6069)
contains.

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Color

**XYZ(61.8359, 58.6145,
20.6250)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBD66
RGB	255, 189, 102
RGB Percent	100%, 74%, 40%
CMY	0.0000, 0.2588, 0.6000
CMYK	0.00, 0.26, 0.60, 0.00
HSL	34°, 100%, 70%
HSV	34°, 60%, 100%
XYZ	61.8359, 58.6145, 20.6250
YIQ	198.8160, 67.2630, -13.0650

Conversions

Conversions Part 2

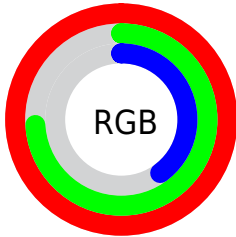
Format	Color
R _Y B	218, 255, 102
Decimal	16760166
CIE Lab	81.08, 14.80, 52.52
CIE LCh	81, 54.563, 74.257
Yxy	58.6145, 0.4383, 0.4155
Android (android.graphics.Color)	4294950246 (0xFFFFBD66)
YUV	198.8160, -47.7303, 49.2734
Hunter-Lab	76.5601, 10.1903, 37.6196

Details

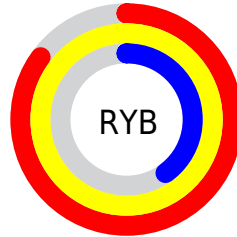
The XYZ color **61.8359, 58.6145, 20.6250** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.5315, 38.0484, 99.9733**, and the grayscale version is **54.4287, 57.2633, 62.3597**.

A 20% lighter version of the original color is **79.8088, 88.9314, 43.9694**, and **31.9074, 29.4494, 7.1346** is the 20% darker color. If you saturate the color by 10%, you get **58.4838, 53.6326, 14.1991**, and if you desaturate by 10%, it is **65.7590, 64.1166, 29.1607**.

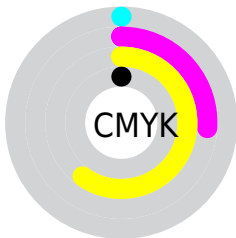
Distribution



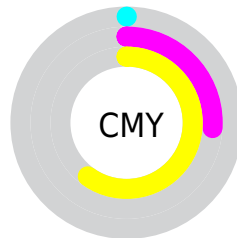
- Red (100%)
- Green (74%)
- Blue (40%)



- Red (85%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (26%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (26%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.8359, 58.6145, 20.6250 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 61.8359, 58.6145, 20.6250 by changing the saturation by 10% instead.

61.8359, 58.6145,
20.6250

61.8359, 58.6145,
20.6250

421.0594,
419.4718, 267.9941

45.1552, 42.3029,
12.6616

106.5796,
102.8172, 45.3352

31.7815, 29.3385,
7.0680

135.3733,
131.4770, 62.9192

21.3494, 19.3371,
3.4255

168.9354,
165.0217, 84.5470

13.4936, 11.9141,
1.3158

207.6313,
203.8356, 110.6374

7.8486, 6.6852,
0.0747

251.8263,
248.3032, 141.6087

4.0492, 3.2660,
0.0000

301.8857,

1.7300, 1.2721,

298.8089, 177.8795

0.0000

358.1749,
355.7369, 219.8685

■ 0.4749, 0.1195,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.8359, 58.6145,
20.6250

■ 61.8359, 58.6145,
20.6250

■ 58.4838, 53.6326,
14.1991

■ 65.7590, 64.1166,
29.1607

■ 55.6578, 49.1396,
9.6837

■ 70.2852, 70.1508,
39.9741

■ 53.3109, 45.1125,
6.8462

■ 75.4485, 76.7390,
53.2200

■ 51.3669, 41.5140,
5.3058

■ 81.2789, 83.8990,
69.0385

■ 51.3667, 41.5137,
5.3056

■ 87.8041, 91.6476,
87.5590

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.



72.8231, 58.6145, 29.4211



61.8359, 58.6145, 20.6250



50.5146, 58.6145, 20.4284

Triad

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



61.8359, 58.6145, 20.6250



37.1461, 58.6145, 80.4597



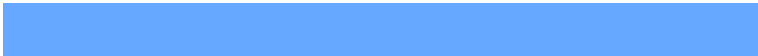
72.3466, 58.6145, 119.7726

Complementary

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



61.8359, 58.6145, 20.6250



37.5315, 38.0484, 99.9733

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.



61.2528, 58.6145, 145.4387



61.8359, 58.6145, 20.6250



41.5149, 58.6145, 118.0404

Square

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



61.8359, 58.6145, 20.6250



37.2578, 58.6145, 48.3407



50.0051, 58.6145, 144.7148



79.4300, 58.6145, 82.2973

Rectangle

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



61.8359, 58.6145, 20.6250



44.3220, 58.6145, 24.8853



50.0051, 58.6145, 144.7148



68.9016, 58.6145, 130.5557

Sweetspot

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



61.8373, 58.6174, 20.6261



82.5272, 85.4007, 72.5209



53.0874, 33.6015, 40.8808



17.2773, 17.8131, 14.4452



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.



61.8373, 58.6174, 20.6261



57.8778, 52.6952, 13.1495



75.7446, 91.8555, 26.3088



18.8668, 19.7018, 18.9528



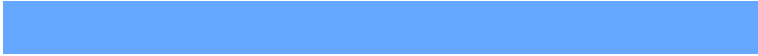
26.9916, 21.9944, 2.8227



2.7367, 2.3587, 0.3110

Inverse Universe

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



37.5315, 38.0484, 99.9733



31.6792, 30.5772, 98.8401



29.5094, 20.1812, 96.9474



17.6474, 18.6663, 22.9228



12.4861, 9.8817, 50.6839



1.3218, 1.1742, 4.9703

Previews

White Background



This preview shows how the XYZ color 61.8359, 58.6145, 20.6250 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 61.8359, 58.6145, 20.6250 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 61.8359, 58.6145, 20.6250

Background



This preview shows how black text looks on a background with the XYZ color 61.8359, 58.6145, 20.6250.



This preview shows how white text looks on a background with the XYZ color 61.8359, 58.6145,

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

61.8359, 58.6145, 20.6250

Protanopia

53.8462, 58.8113, 22.1494

Deuteranopia

59.9100, 58.5953, 20.4643



Tritanopia

67.7056, 58.6109, 58.7835

Trichromacy



Original Color

61.8359, 58.6145, 20.6250

Protanomaly

56.4477, 58.4449, 21.6705

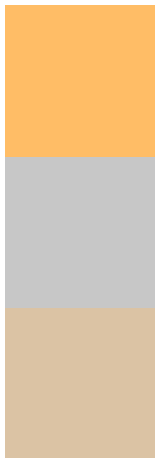
Deuteranomaly

60.7634, 58.7104, 20.4416

Tritanomaly

65.0220, 58.5311, 41.5888

Monochromacy



Original Color

61.8359, 58.6145, 20.6250

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

55.4294, 56.7706, 43.1583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8359, 58.6145, 20.6250 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 102) }
```

Border

The CSS property to change the border of an element to XYZ 61.8359, 58.6145, 20.6250 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, 102) }
```


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

```
.border{ border-color:rgb(255, 189, 102) }
```

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, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8359, 58.6145, 20.6250 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
189, 102) }
```

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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