

Converting Colors

XYZ(106.5448, 80.7661,
20.8561)

Have a look what the booklet for
XYZ(106.5448, 80.7661, 20.8561)
contains.

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Color

**XYZ(60.8645, 57.2040,
18.6601)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBA5F
RGB	255, 186, 95
RGB Percent	100%, 73%, 37%
CMY	0.0000, 0.2706, 0.6274
CMYK	0.00, 0.27, 0.63, 0.00
HSL	34°, 100%, 69%
HSV	34°, 63%, 100%
XYZ	60.8645, 57.2040, 18.6601
YIQ	196.2570, 70.3350, -13.6730

Conversions

Conversions Part 2

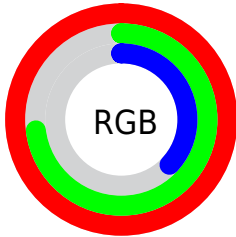
Format	Color
R_{YB}	216, 255, 95
Decimal	16759391
CIE _{Lab}	80.29, 15.91, 54.93
CIE _{LCh}	80, 57.190, 73.850
Y _{xy}	57.2040, 0.4451, 0.4184
Android (android.graphics.Color)	4294949471 (0xFFFFBA5F)
YUV	196.2570, -49.9197, 51.5176
Hunter-Lab	75.6333, 11.2862, 38.3154

Details

The XYZ color **60.8645, 57.2040, 18.6601** 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 **36.0442, 36.2024, 99.6954**, and the grayscale version is **52.8858, 55.6400, 60.5920**.

A 20% lighter version of the original color is **78.3374, 86.9024, 40.6620**, and **31.0717, 28.4188, 6.1332** is the 20% darker color. If you saturate the color by 10%, you get **57.6618, 52.3600, 12.7798**, and if you desaturate by 10%, it is **64.6275, 62.5619, 26.5991**.

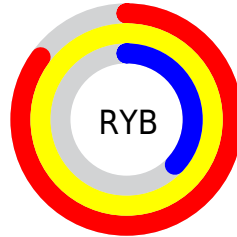
Distribution



Red (100%)

Green (73%)

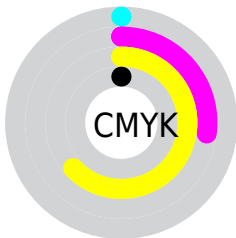
Blue (37%)



Red (85%)

Yellow (100%)

Blue (37%)

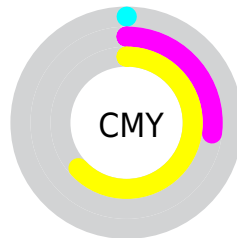


Cyan (0%)

Magenta (27%)

Yellow (63%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.8645, 57.2040, 18.6601 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 60.8645, 57.2040, 18.6601 by changing the saturation by 10% instead.


 60.8645, 57.2040,
18.6601


 60.8645, 57.2040,
18.6601


417.5609,
414.2133, 256.9257

 44.3679, 41.1690,
11.2506


 105.1819,
100.7628, 41.9880


 31.1590, 28.4512,
6.1194


 133.7335,
129.0554, 58.7434

 20.8724, 18.6661,
2.8478


 167.0342,
162.2027, 79.4513

 13.1427, 11.4292,
1.0175

 205.4493,
200.5891, 104.5301

 7.6046, 6.3563,
0.0000

249.3441,
244.5990, 134.3985

 3.8926, 3.0629,
0.0000

299.0841,

 1.6416, 1.1647,

294.6167, 169.4748

0.0000

355.0346,
351.0267, 210.1777

0.4193, 0.0326,
0.0000

0.0000, 0.0000,
0.0000

60.8645, 57.2040,
18.6601

60.8645, 57.2040,
18.6601

57.6618, 52.3600,
12.7798

64.6275, 62.5619,
26.5991

54.9726, 47.9980,
8.7503


68.9839, 68.4464,
36.7709


52.7475, 44.0939,
6.3250

73.9686, 74.8796,
49.3344

51.3714, 41.5230,
5.3072

79.6123, 81.8796,
64.4333

 85.9434, 89.4634,
82.1994

 92.9884, 97.6471,
102.7558

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.



72.2420, 57.2040, 27.4891



60.8645, 57.2040, 18.6601



49.1660, 57.2040, 18.3624

Triad

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



60.8645, 57.2040, 18.6601



35.3386, 57.2040, 78.9993



71.4741, 57.2040, 121.1879

Complementary

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



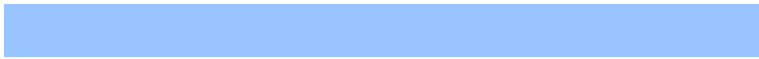
60.8645, 57.2040, 18.6601



36.0442, 36.2024, 99.6954

Split Complementary

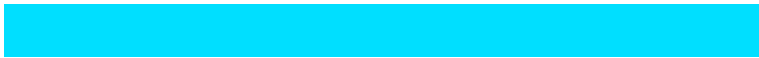
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.9303, 57.2040, 148.0105



60.8645, 57.2040, 18.6601



39.7203, 57.2040, 118.3640

Square

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



60.8645, 57.2040, 18.6601



35.5141, 57.2040, 46.0430



48.3560, 57.2040, 146.8234



78.9415, 57.2040, 81.9584

Rectangle

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



60.8645, 57.2040, 18.6601



42.7880, 57.2040, 22.6643



48.3560, 57.2040, 146.8234



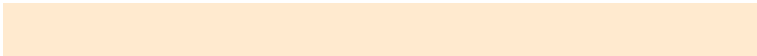
67.8751, 57.2040, 132.4910

Sweetspot

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



60.8658, 57.2068, 18.6612



81.9010, 84.6500, 70.7659



52.0634, 32.1373, 38.7397



17.1541, 17.6640, 14.1040



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.



60.8658, 57.2068, 18.6612



57.0120, 51.3346, 11.7170



75.2495, 91.6387, 24.5491



18.8670, 19.7021, 18.9528



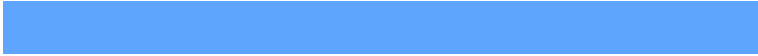
26.9940, 21.9993, 2.8235



2.7369, 2.3592, 0.3111

Inverse Universe

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



36.0442, 36.2024, 99.6954



30.4609, 28.9272, 98.5858



28.0470, 18.4489, 96.6901



17.6472, 18.6660, 22.9227



12.4843, 9.8783, 50.6833



1.3216, 1.1738, 4.9702

Previews

White Background



This preview shows how the XYZ color 60.8645, 57.2040, 18.6601 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 60.8645, 57.2040, 18.6601 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 60.8645, 57.2040, 18.6601

Background



This preview shows how black text looks on a background with the XYZ color 60.8645, 57.2040, 18.6601.



This preview shows how white text looks on a background with the XYZ color 60.8645, 57.2040,

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

60.8645, 57.2040, 18.6601

Protanopia

52.7252, 57.5816, 20.1398

Deuteranopia

58.4399, 57.2279, 18.5556



Tritanopia

66.6544, 57.2179, 56.2463

Trichromacy



Original Color

60.8645, 57.2040, 18.6601

Protanomaly

55.3240, 57.2357, 19.6870

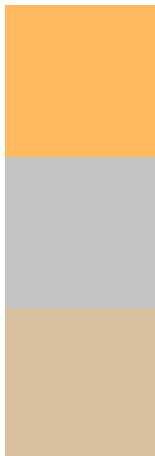
Deuteranomaly

59.2849, 57.3431, 18.5333

Tritanomaly

63.8843, 57.0825, 38.6613

Monochromacy



Original Color

60.8645, 57.2040, 18.6601

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

53.7229, 54.9542, 40.5766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.8645, 57.2040, 18.6601 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 95) }
```

Border

The CSS property to change the border of an element to XYZ 60.8645, 57.2040, 18.6601 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, 95) }
```


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

```
.border{ border-color:rgb(255, 186, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 60.8645, 57.2040, 18.6601 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, 95) }
```

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

```
.background{ background-color: rgb(255,  
186, 95) }
```

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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