

Converting Colors

XYZ(89.2773, 68.9694, 19.4035)

Have a look what the booklet for
XYZ(89.2773, 68.9694, 19.4035)
contains.

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Color

**XYZ(58.8309, 53.1369,
17.9822)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB05F
RGB	255, 176, 95
RGB Percent	100%, 69%, 37%
CMY	0.0000, 0.3098, 0.6274
CMYK	0.00, 0.31, 0.63, 0.00
HSL	30°, 100%, 69%
HSV	30°, 63%, 100%
XYZ	58.8309, 53.1369, 17.9822
YIQ	190.3870, 73.0850, -8.4430

Conversions

Conversions Part 2

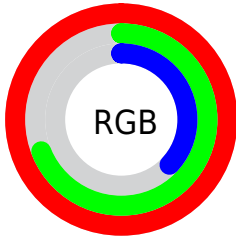
Format	Color
RYB	251, 255, 95
Decimal	16756831
CIELab	77.96, 21.13, 52.26
CIELCh	78, 56.374, 67.984
Yxy	53.1369, 0.4527, 0.4089
Android (android.graphics.Color)	4294946911 (0xFFFFB05F)
YUV	190.3870, -47.0258, 56.6656
Hunter-Lab	72.8951, 16.4944, 36.4005

Details

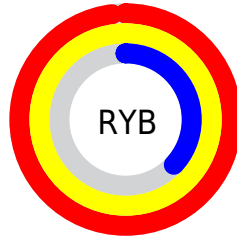
The XYZ color **58.8309, 53.1369, 17.9822** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **37.9045, 39.9231, 100.3154**, and the grayscale version is **49.4014, 51.9741, 56.5998**.

A 20% lighter version of the original color is **75.4419, 81.1113, 39.6968**, and **29.7857, 25.8171, 5.7962** is the 20% darker color. If you saturate the color by 10%, you get **55.5010, 48.0387, 12.0595**, and if you desaturate by 10%, it is **62.7715, 58.8501, 25.9803**.

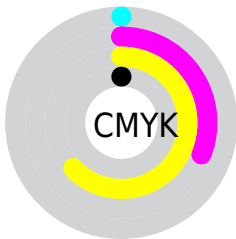
Distribution



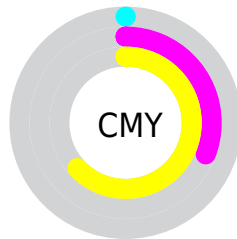
- Red (100%)
- Green (69%)
- Blue (37%)



- Red (98%)
- Yellow (100%)
- Blue (37%)



- Cyan (0%)
- Magenta (31%)
- Yellow (63%)
- Black (0%)





- Cyan (0%)
- Magenta (31%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8309, 53.1369, 17.9822 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 58.8309, 53.1369, 17.9822 by changing the saturation by 10% instead.


 58.8309, 53.1369,
17.9822


 58.8309, 53.1369,
17.9822


410.1791,
398.8101, 253.0034

 42.7229, 37.9121,
10.7679


 102.2479, 94.8058,
40.8205


 29.8613, 25.9144,
5.7988


 130.2875,
122.0186, 57.2816

 19.8809, 16.7597,
2.6563

 163.0351,
153.9963, 77.6621

 12.4162, 10.0633,
0.9213

 200.8559,
191.1231, 102.3804

 7.1020, 5.4409,
0.0000

244.1154,
233.7835, 131.8552

 3.5729, 2.5082,
0.0000

293.1789,

 1.4635, 0.8808,

282.3619, 166.5049

0.0000

348.4116,
337.2426, 206.7481

■ 0.3008, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8309, 53.1369,
17.9822

■ 58.8309, 53.1369,
17.9822

■ 55.5010, 48.0387,
12.0595

■ 62.7715, 58.8501,
25.9803

■ 52.7333, 43.5196,
8.0039

■ 67.3583, 65.1954,
36.2289

■ 50.4758, 39.5506,
5.5677

■ 72.6283, 72.1991,
48.8874

■ 49.1036, 36.9876,
4.5513

■ 78.6139, 79.8829,
64.1001

85.3454, 88.2675,
81.9997

92.8510, 97.3725,
102.7096

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.



69.0190, 53.1369, 28.0758



58.8309, 53.1369, 17.9822



47.6317, 53.1369, 16.2862

Triad

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



58.8309, 53.1369, 17.9822



32.3654, 53.1369, 66.6593



64.6292, 53.1369, 119.7176

Complementary

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



58.8309, 53.1369, 17.9822



37.9045, 39.9231, 100.3154

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.



53.4916, 53.1369, 140.6573



58.8309, 53.1369, 17.9822



35.6387, 53.1369, 103.5622

Square

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



58.8309, 53.1369, 17.9822



33.3668, 53.1369, 38.0398



43.0043, 53.1369, 133.8650



72.6900, 53.1369, 83.5819

Rectangle

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



58.8309, 53.1369, 17.9822



41.2408, 53.1369, 19.2296



43.0043, 53.1369, 133.8650



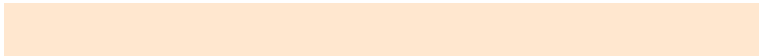
61.0621, 53.1369, 129.2687

Sweetspot

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



58.8321, 53.1396, 17.9832



81.0457, 82.9394, 70.4808



53.0701, 32.5399, 44.0416



16.9475, 17.2508, 14.0352



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.



58.8321, 53.1396, 17.9832



54.8295, 46.9697, 10.9895



79.0652, 93.6058, 24.7276



18.7695, 19.5072, 18.9203



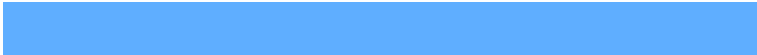
25.8076, 19.6264, 2.4281



2.6221, 2.1296, 0.2728

Inverse Universe

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



37.9045, 39.9231, 100.3154



32.4044, 32.8142, 99.2336



26.8619, 17.8378, 96.6345



17.7437, 18.8589, 22.9549



13.4719, 11.8533, 51.0125



1.4208, 1.3722, 5.0033

Previews

White Background



This preview shows how the XYZ color 58.8309, 53.1369, 17.9822 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 58.8309, 53.1369, 17.9822 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 58.8309, 53.1369, 17.9822

Background



This preview shows how black text looks on a background with the XYZ color 58.8309, 53.1369, 17.9822.



This preview shows how white text looks on a background with the XYZ color 58.8309, 53.1369,

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

58.8309, 53.1369, 17.9822

Protanopia

48.8595, 53.2256, 20.0103

Deuteranopia

54.3762, 53.2484, 17.7680



Tritanopia

63.6662, 52.9312, 50.0412

Trichromacy



Original Color

58.8309, 53.1369, 17.9822

Protanomaly

52.0174, 52.9355, 19.2803

Deuteranomaly

55.8525, 53.0890, 17.8931

Tritanomaly

61.4173, 52.9350, 35.4142

Monochromacy



Original Color

58.8309, 53.1369, 17.9822

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

50.9969, 51.3606, 38.2361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8309, 53.1369, 17.9822 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, 176, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 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, 176, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 95) }
```

Border

The CSS property to change the border of an element to XYZ 58.8309, 53.1369, 17.9822 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, 176, 95) }
```


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

```
.border{ border-color:rgb(255, 176, 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, 176, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8309, 53.1369, 17.9822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 95) }
```

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

```
.background{ background-color: rgb(255,  
176, 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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