

Converting Colors

XYZ(58.6601, 52.2629, 19.5664)

Have a look what the booklet for
XYZ(58.6601, 52.2629, 19.5664)
contains.

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Color

**XYZ(58.5818, 52.1064,
19.5403)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAD66
RGB	255, 173, 102
RGB Percent	100%, 68%, 40%
CMY	0.0000, 0.3215, 0.6000
CMYK	0.00, 0.32, 0.60, 0.00
HSL	28°, 100%, 70%
HSV	28°, 60%, 100%
XYZ	58.5818, 52.1064, 19.5403
YIQ	189.4240, 71.6630, -4.6970

Conversions

Conversions Part 2

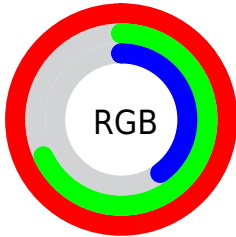
Format	Color
R _Y B	255, 234, 102
Decimal	16756070
CIE Lab	77.34, 23.17, 48.13
CIE LCh	77, 53.412, 64.297
Yxy	52.1064, 0.4498, 0.4001
Android (android.graphics.Color)	4294946150 (0xFFFFAD66)
YUV	189.4240, -43.1000, 57.5102
Hunter-Lab	72.1848, 18.5390, 34.4796

Details

The XYZ color **58.5818, 52.1064, 19.5403** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.6690, 44.3236, 101.0190**, and the grayscale version is **48.8245, 51.3671, 55.9388**.

A 20% lighter version of the original color is **75.1757, 79.6652, 42.4251**, and **29.5844, 25.1502, 6.5440** is the 20% darker color. If you saturate the color by 10%, you get **55.0187, 46.7025, 13.0440**, and if you desaturate by 10%, it is **62.8043, 58.2072, 28.1756**.

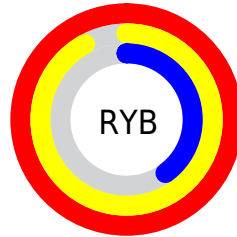
Distribution



Red (100%)

Green (68%)

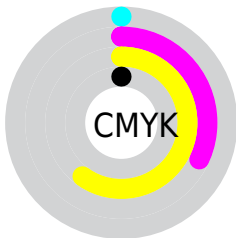
Blue (40%)



Red (100%)

Yellow (92%)

Blue (40%)

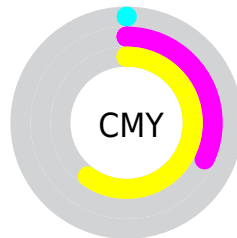


Cyan (0%)

Magenta (32%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (32%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5818, 52.1064, 19.5403 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 58.5818, 52.1064, 19.5403 by changing the saturation by 10% instead.


 58.5818, 52.1064,
19.5403

 58.5818, 52.1064,
19.5403


409.2694,
394.8472, 261.9369


 42.5216, 37.0899,
11.8806


 101.8877, 93.2881,
43.4939


 29.7029, 25.2771,
6.5409


 129.8642,
120.2222, 60.6249

 19.7601, 16.2836,
3.1026


 162.5434,
151.8975, 81.7500

 12.3280, 9.7251,
1.1473

 200.2909,
188.6985, 107.2878

 7.0413, 5.2171,
0.0000

243.4718,
231.0096, 137.6569

 3.5345, 2.3752,
0.0000

292.4517,

 1.4423, 0.8131,

279.2151, 173.2757

0.0000

347.5957,
333.6995, 214.5629

■ 0.2861, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.5818, 52.1064,
19.5403

■ 58.5818, 52.1064,
19.5403

■ 55.0187, 46.7025,
13.0440

■ 62.8043, 58.2072,
28.1756

■ 52.0663, 41.9568,
8.4865

■ 67.7224, 65.0252,
39.1196

■ 49.6733, 37.8375,
5.6337

■ 73.3737, 72.5895,
52.5281

■ 47.7588, 34.2980,
4.1031

■ 79.7916, 80.9247,
68.5424

47.7587, 34.2977,
4.1030

87.0073, 90.0542,
87.2930

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.



67.6722, 52.1064, 30.4867



58.5818, 52.1064, 19.5403



48.0624, 52.1064, 16.9917

Triad

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



58.5818, 52.1064, 19.5403



32.3461, 52.1064, 61.0736



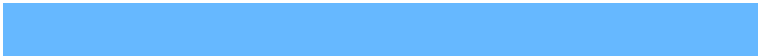
61.4917, 52.1064, 117.3644

Complementary

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



58.5818, 52.1064, 19.5403



40.6690, 44.3236, 101.0190

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.



51.0182, 52.1064, 133.7615



58.5818, 52.1064, 19.5403



34.9529, 52.1064, 94.8881

Square

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



58.5818, 52.1064, 19.5403



33.7945, 52.1064, 35.5933



41.4544, 52.1064, 124.3708



69.5083, 52.1064, 84.9293

Rectangle

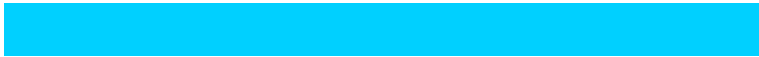
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.5818, 52.1064, 19.5403



41.8451, 52.1064, 19.2539



41.4544, 52.1064, 124.3708



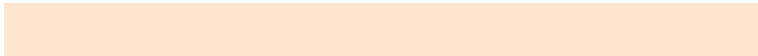
58.0926, 52.1064, 125.3619

Sweetspot

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



58.5830, 52.1090, 19.5413



81.1698, 82.6859, 72.0684



54.8703, 34.3146, 50.2697



16.9467, 17.1518, 14.3349



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.



58.5830, 52.1090, 19.5413



54.3808, 45.7014, 11.9838



77.0059, 88.9547, 25.6822



18.7042, 19.3766, 18.8986



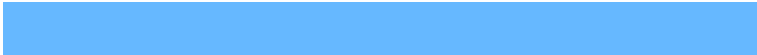
25.1010, 18.2133, 2.1925



2.5520, 1.9893, 0.2495

Inverse Universe

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



40.6690, 44.3236, 101.0190



35.0139, 37.2466, 99.9516



29.0681, 21.1218, 97.1521



17.8093, 18.9901, 22.9768



14.2314, 13.3724, 51.2656



1.4950, 1.5208, 5.0280

Previews

White Background



This preview shows how the XYZ color 58.5818, 52.1064, 19.5403 looks on a white background.

Color Contrast Check

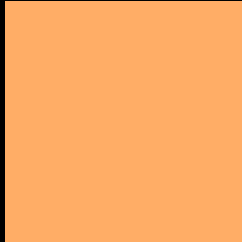
Large Text (above 18pt) WCAG AA × Fail

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 58.5818, 52.1064, 19.5403 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 58.5818, 52.1064, 19.5403

Background



This preview shows how black text looks on a background with the XYZ color 58.5818, 52.1064, 19.5403.



This preview shows how white text looks on a background with the XYZ color 58.5818, 52.1064,

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

58.5818, 52.1064, 19.5403

Protanopia

48.1348, 52.4836, 21.7807

Deuteranopia

53.2891, 52.0382, 19.2923



Tritanopia

63.0946, 52.1118, 48.8526

Trichromacy



Original Color

58.5818, 52.1064, 19.5403

Protanomaly

51.3145, 51.9073, 20.9502

Deuteranomaly

55.0870, 52.0570, 19.4565

Tritanomaly

60.9330, 51.8379, 35.6484

Monochromacy



Original Color

58.5818, 52.1064, 19.5403

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

50.4599, 50.4474, 38.9761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5818, 52.1064, 19.5403 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, 173, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 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, 173, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 102) }
```

Border

The CSS property to change the border of an element to XYZ 58.5818, 52.1064, 19.5403 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, 173, 102) }
```


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

```
.border{ border-color:rgb(255, 173, 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, 173, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5818, 52.1064, 19.5403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 102) }
```

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

```
.background{ background-color: rgb(255,  
173, 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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