

Converting Colors

XYZ(59.5985, 54.1397, 19.8792)

Have a look what the booklet for
XYZ(59.5985, 54.1397, 19.8792)
contains.

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Color

**XYZ(59.5587, 54.0601,
19.8659)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB266
RGB	255, 178, 102
RGB Percent	100%, 70%, 40%
CMY	0.0000, 0.3019, 0.6000
CMYK	0.00, 0.30, 0.60, 0.00
HSL	30°, 100%, 70%
HSV	30°, 60%, 100%
XYZ	59.5587, 54.0601, 19.8659
YIQ	192.3590, 70.2880, -7.3120

Conversions

Conversions Part 2

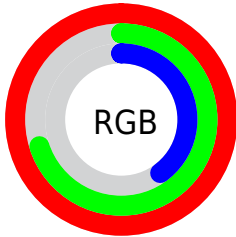
Format	Color
R_{YB}	255, 253, 102
Decimal	16757350
CIE _{Lab}	78.50, 20.55, 49.49
CIE _{LCh}	78, 53.588, 67.450
Yxy	54.0601, 0.4462, 0.4050
Android (android.graphics.Color)	4294947430 (0xFFFFB266)
YUV	192.3590, -44.5470, 54.9362
Hunter-Lab	73.5256, 15.9225, 35.4483

Details

The XYZ color **59.5587, 54.0601, 19.8659** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **39.6487, 42.2830, 100.6791**, and the grayscale version is **50.5377, 53.1696, 57.9017**.

A 20% lighter version of the original color is **76.5792, 82.4722, 42.8929**, and **30.1793, 26.3756, 6.6323** is the 20% darker color. If you saturate the color by 10%, you get **56.0485, 48.7620, 13.3873**, and if you desaturate by 10%, it is **63.6992, 59.9968, 28.4739**.

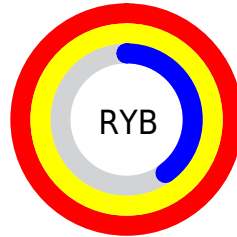
Distribution



Red (100%)

Green (70%)

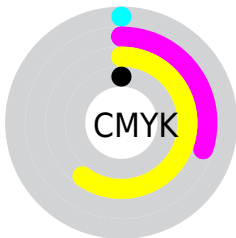
Blue (40%)



Red (100%)

Yellow (99%)

Blue (40%)

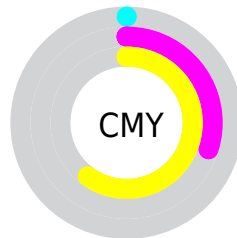


Cyan (0%)

Magenta (30%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5587, 54.0601, 19.8659 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 59.5587, 54.0601, 19.8659 by changing the saturation by 10% instead.


 59.5587, 54.0601,
19.8659


 59.5587, 54.0601,
19.8659


412.8301,
402.3391, 263.7684

 43.3111, 38.6497,
12.1145


 103.2992, 96.1625,
44.0483


 30.3249, 26.4873,
6.6982


 131.5229,
123.6233, 61.3163

 20.2346, 17.1886,
3.1985


 164.4693,
155.8696, 82.5936

 12.6750, 10.3690,
1.1969

 202.5039,
193.2860, 108.2987

 7.2806, 5.6443,
0.0000

245.9918,
236.2567, 138.8503

 3.6861, 2.6300,
0.0000

295.2986,

 1.5261, 0.9418,

285.1662, 174.6667

0.0000

350.7896,
340.3989, 216.1665

■ 0.3435, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5587, 54.0601,
19.8659

■ 59.5587, 54.0601,
19.8659

■ 56.0485, 48.7620,
13.3873

■ 63.6992, 59.9968,
28.4739

■ 53.1213, 44.0667,
8.8381

■ 68.5046, 66.5896,
39.3804

■ 50.7274, 39.9456,
5.9850

■ 74.0114, 73.8648,
52.7407

■ 48.7877, 36.3555,
4.4460

■ 80.2516, 81.8444,
68.6958

48.7875, 36.3552,
4.4459

87.2552, 90.5497,
87.3757

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.



69.2228, 54.0601, 30.1375



59.5587, 54.0601, 19.8659



48.7975, 54.0601, 18.0119

Triad

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



59.5587, 54.0601, 19.8659



33.7827, 54.0601, 66.7190



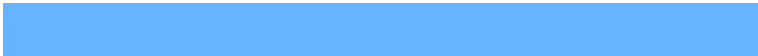
64.7272, 54.0601, 118.0597

Complementary

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



59.5587, 54.0601, 19.8659



39.6487, 42.2830, 100.6791

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.



54.0572, 54.0601, 137.2771



59.5587, 54.0601, 19.8659



36.9054, 54.0601, 101.7140

Square

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



59.5587, 54.0601, 19.8659



34.8364, 54.0601, 39.2802



43.9911, 54.0601, 130.4466



72.4802, 54.0601, 84.0631

Rectangle

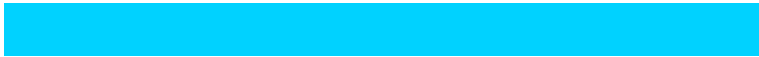
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.5587, 54.0601, 19.8659



42.5893, 54.0601, 20.9007



43.9911, 54.0601, 130.4466



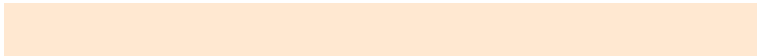
61.3096, 54.0601, 126.9117

Sweetspot

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



59.5600, 54.0628, 19.8669



81.5900, 83.5264, 72.2085



54.3371, 34.1014, 47.4617



17.0489, 17.3562, 14.3690



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.



59.5600, 54.0628, 19.8669



55.4178, 47.7752, 12.3295



78.5900, 92.1228, 26.2103



18.7548, 19.4777, 18.9154



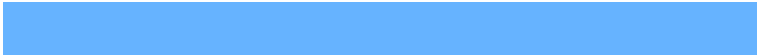
25.6417, 19.2946, 2.3728



2.6058, 2.0969, 0.2674

Inverse Universe

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



39.6487, 42.2830, 100.6791



33.9164, 35.0516, 99.5858



28.5357, 20.0570, 96.9748



17.7584, 18.8885, 22.9598



13.6365, 12.1827, 51.0673



1.4370, 1.4047, 5.0087

Previews

White Background



This preview shows how the XYZ color 59.5587, 54.0601, 19.8659 looks on a white background.

Color Contrast Check

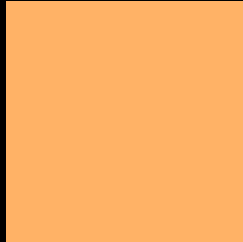
Large Text (above 18pt) WCAG AA × Fail

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 59.5587, 54.0601, 19.8659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

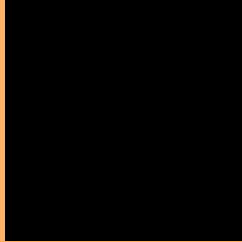
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.5587, 54.0601, 19.8659

Background



This preview shows how black text looks on a background with the XYZ color 59.5587, 54.0601, 19.8659.



This preview shows how white text looks on a background with the XYZ color 59.5587, 54.0601,

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

59.5587, 54.0601, 19.8659

Protanopia

49.9534, 54.4091, 22.0565

Deuteranopia

55.2458, 53.9687, 19.5618



Tritanopia

64.5398, 54.1839, 51.8567

Trichromacy



Original Color

59.5587, 54.0601, 19.8659

Protanomaly

53.1122, 54.0938, 21.2775

Deuteranomaly

56.7331, 53.8080, 19.7077

Tritanomaly

62.2088, 53.8652, 37.6901

Monochromacy



Original Color

59.5587, 54.0601, 19.8659

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

52.0527, 52.4909, 40.1892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5587, 54.0601, 19.8659 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, 178, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 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, 178, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 102) }
```

Border

The CSS property to change the border of an element to XYZ 59.5587, 54.0601, 19.8659 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, 178, 102) }
```


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

```
.border{ border-color:rgb(255, 178, 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, 178, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5587, 54.0601, 19.8659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 102) }
```

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

```
.background{ background-color: rgb(255,  
178, 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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