

Converting Colors

XYZ(59.3604, 53.6636, 19.7998)

Have a look what the booklet for
XYZ(59.3604, 53.6636, 19.7998)
contains.

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Color

**XYZ(59.3604, 53.6636,
19.7998)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB166
RGB	255, 177, 102
RGB Percent	100%, 69%, 40%
CMY	0.0000, 0.3059, 0.6000
CMYK	0.00, 0.31, 0.60, 0.00
HSL	29°, 100%, 70%
HSV	29°, 60%, 100%
XYZ	59.3604, 53.6636, 19.7998
YIQ	191.7720, 70.5630, -6.7890

Conversions

Conversions Part 2

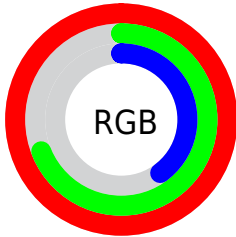
Format	Color
R _Y B	255, 249, 102
Decimal	16757094
CIE Lab	78.27, 21.07, 49.22
CIE LCh	78, 53.539, 66.821
Yxy	53.6636, 0.4469, 0.4040
Android (android.graphics.Color)	4294947174 (0xFFFFB166)
YUV	191.7720, -44.2576, 55.4510
Hunter-Lab	73.2554, 16.4452, 35.2537

Details

The XYZ color **59.3604, 53.6636, 19.7998** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **39.8497, 42.6851, 100.7460**, and the grayscale version is **50.1923, 52.8062, 57.5060**.

A 20% lighter version of the original color is **76.2953, 81.9044, 42.7983**, and **30.0756, 26.1326, 6.7077** is the 20% darker color. If you saturate the color by 10%, you get **55.8387, 48.3425, 13.3174**, and if you desaturate by 10%, it is **63.5181, 59.6348, 28.4135**.

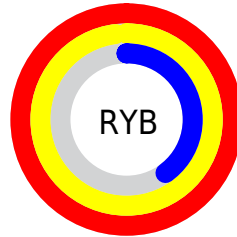
Distribution



Red (100%)

Green (69%)

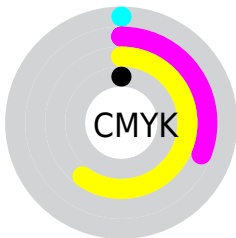
Blue (40%)



Red (100%)

Yellow (98%)

Blue (40%)

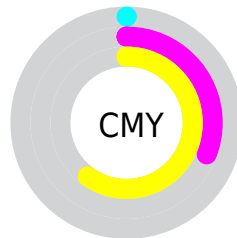


Cyan (0%)

Magenta (31%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3604, 53.6636, 19.7998 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 59.3604, 53.6636, 19.7998 by changing the saturation by 10% instead.


 59.3604, 53.6636,
19.7998


 59.3604, 53.6636,
19.7998


412.1088,
400.8259, 263.3975

 43.1508, 38.3328,
12.0670


 103.0129, 95.5801,
43.9358


 30.1985, 26.2411,
6.6662


 131.1865,
122.9346, 61.1761

 20.1381, 17.0041,
3.1790


 164.0789,
155.0658, 82.4226

 12.6043, 10.2374,
1.1867

 202.0553,
192.3581, 108.0939

 7.2318, 5.5566,
0.0000

245.4812,
235.1959, 138.6085

 3.6551, 2.5774,
0.0000

294.7218,

 1.5089, 0.9153,

283.9635, 174.3849

0.0000

350.1425,
339.0454, 215.8418

■ 0.3319, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.3604, 53.6636,
19.7998

■ 59.3604, 53.6636,
19.7998

■ 55.8387, 48.3425,
13.3174

■ 63.5181, 59.6348,
28.4135

■ 52.9054, 43.6351,
8.7662

■ 68.3468, 66.2740,
39.3277

■ 50.5107, 39.5121,
5.9128

■ 73.8830, 73.6081,
52.6979

■ 48.5748, 35.9300,
4.3751

■ 80.1591, 81.6597,
68.6649

■ 48.5747, 35.9297,
4.3750

■ 87.2054, 90.4503,
87.3590

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.



68.9084, 53.6636, 30.2061



59.3604, 53.6636, 19.7998



48.6482, 53.6636, 17.8040

Triad

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



59.3604, 53.6636, 19.7998



33.4908, 53.6636, 65.5607



64.0689, 53.6636, 117.9164

Complementary

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



59.3604, 53.6636, 19.7998



39.8497, 42.6851, 100.7460

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.



53.4380, 53.6636, 136.5643



59.3604, 53.6636, 19.7998



36.5079, 53.6636, 100.3197

Square

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



59.3604, 53.6636, 19.7998



34.6251, 53.6636, 38.5219



43.4741, 53.6636, 129.2113



71.8766, 53.6636, 84.2331

Rectangle

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



59.3604, 53.6636, 19.7998



42.4383, 53.6636, 20.5633



43.4741, 53.6636, 129.2113



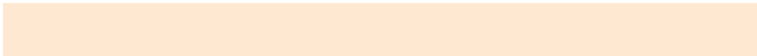
60.6548, 53.6636, 126.5964

Sweetspot

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



59.3617, 53.6663, 19.8008



81.5057, 83.3577, 72.1804



54.3370, 34.1013, 47.4616



17.0284, 17.3152, 14.3622



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.



59.3617, 53.6663, 19.8008



55.2064, 47.3525, 12.2590



78.5899, 92.1227, 26.2102



18.7446, 19.4574, 18.9120



25.5300, 19.0712, 2.3355



2.5947, 2.0748, 0.2637

Inverse Universe

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



39.8497, 42.6851, 100.7460



34.1317, 35.4823, 99.6576



28.5357, 20.0570, 96.9746



17.7686, 18.9087, 22.9632



13.7518, 12.4132, 51.1058



1.4483, 1.4273, 5.0124

Previews

White Background



This preview shows how the XYZ color 59.3604, 53.6636, 19.7998 looks on a white background.

Color Contrast Check

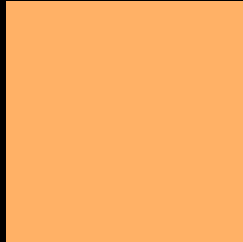
Large Text (above 18pt) WCAG AA × Fail

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 59.3604, 53.6636, 19.7998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

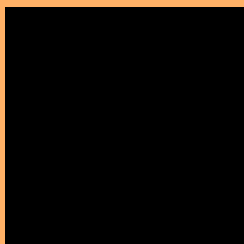
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.3604, 53.6636, 19.7998

Background



This preview shows how black text looks on a background with the XYZ color 59.3604, 53.6636, 19.7998.



This preview shows how white text looks on a background with the XYZ color 59.3604, 53.6636,

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

59.3604, 53.6636, 19.7998

Protanopia

49.4391, 53.8124, 21.9685

Deuteranopia

54.9091, 53.7952, 19.5461



Tritanopia

64.2464, 53.7632, 51.2472

Trichromacy



Original Color

59.3604, 53.6636, 19.7998

Protanomaly

52.5796, 53.5010, 21.1912

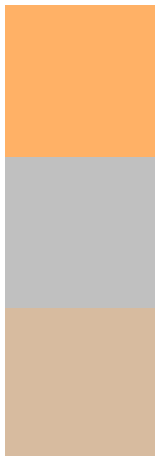
Deuteranomaly

56.3851, 53.6286, 19.6915

Tritanomaly

61.9333, 53.4470, 37.1891

Monochromacy



Original Color

59.3604, 53.6636, 19.7998

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 59.3604, 53.6636, 19.7998 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, 177, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 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, 177, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 102) }
```

Border

The CSS property to change the border of an element to XYZ 59.3604, 53.6636, 19.7998 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, 177, 102) }
```


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

```
.border{ border-color:rgb(255, 177, 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, 177, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3604, 53.6636, 19.7998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 102) }
```

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

```
.background{ background-color: rgb(255,  
177, 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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