

Converting Colors

XYZ(101.5477, 76.2361,
22.0213)

Have a look what the booklet for
XYZ(101.5477, 76.2361, 22.0213)
contains.

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Color

**XYZ(59.9595, 54.8618,
19.9996)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB466
RGB	255, 180, 102
RGB Percent	100%, 71%, 40%
CMY	0.0000, 0.2941, 0.6000
CMYK	0.00, 0.29, 0.60, 0.00
HSL	31°, 100%, 70%
HSV	31°, 60%, 100%
XYZ	59.9595, 54.8618, 19.9996
YIQ	193.5330, 69.7380, -8.3580

Conversions

Conversions Part 2

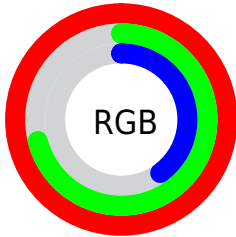
Format	Color
R _Y B	249, 255, 102
Decimal	16757862
CIE Lab	78.96, 19.50, 50.04
CIE LCh	79, 53.705, 68.705
Yxy	54.8618, 0.4447, 0.4069
Android (android.graphics.Color)	4294947942 (0xFFFFB466)
YUV	193.5330, -45.1258, 53.9066
Hunter-Lab	74.0688, 14.8775, 35.8390

Details

The XYZ color **59.9595, 54.8618, 19.9996** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.2508, 41.4872, 100.5463**, and the grayscale version is **51.2327, 53.9007, 58.6979**.

A 20% lighter version of the original color is **77.1518, 83.6175, 43.0838**, and **30.4350, 26.8871, 6.7176** is the 20% darker color. If you saturate the color by 10%, you get **56.4738, 49.6126, 13.5291**, and if you desaturate by 10%, it is **64.0643, 60.7271, 28.5957**.

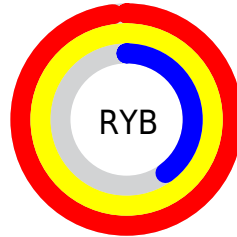
Distribution



Red (100%)

Green (71%)

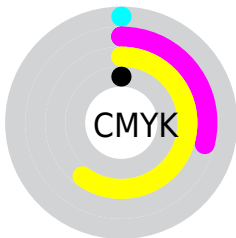
Blue (40%)



Red (98%)

Yellow (100%)

Blue (40%)

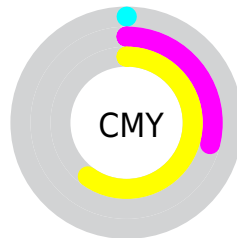


Cyan (0%)

Magenta (29%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9595, 54.8618, 19.9996 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 59.9595, 54.8618, 19.9996 by changing the saturation by 10% instead.


 59.9595, 54.8618,
19.9996


 59.9595, 54.8618,
19.9996


414.2856,
405.3878, 264.5171


 43.6353, 39.2911,
12.2107


 103.8776, 97.3384,
44.2755


 30.5806, 26.9862,
6.7630


 132.2022,
125.0132, 61.5995

 20.4300, 17.5629,
3.2382


 165.2577,
157.4913, 82.9390

 12.8180, 10.6366,
1.2175

 203.4094,
195.1574, 108.7125

 7.3795, 5.8231,
0.0000

247.0227,
238.3956, 139.3385

 3.7490, 2.7378,
0.0000

296.4629,

 1.5611, 0.9964,

287.5905, 175.2356

0.0000

352.0955,
343.1265, 216.8223

■ 0.3669, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9595, 54.8618,
19.9996

■ 59.9595, 54.8618,
19.9996

■ 56.4738, 49.6126,
13.5291

■ 64.0643, 60.7271,
28.5957

■ 53.5602, 44.9446,
8.9845

■ 68.8222, 67.2248,
39.4864

■ 51.1697, 40.8304,
6.1325

■ 74.2691, 74.3803,
52.8268

■ 49.2239, 37.2281,
4.5914

■ 80.4367, 82.2148,
68.7577

49.2237, 37.2277,
4.5913

87.3545, 90.7484,
87.4090

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.



69.8578, 54.8618, 30.0019



59.9595, 54.8618, 19.9996



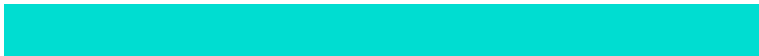
49.0994, 54.8618, 18.4336

Triad

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



59.9595, 54.8618, 19.9996



34.3734, 54.8618, 69.0805



66.0608, 54.8618, 118.3519

Complementary

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



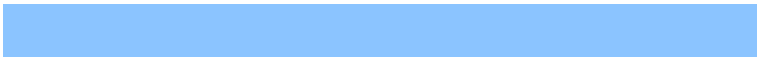
59.9595, 54.8618, 19.9996



39.2508, 41.4872, 100.5463

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.



55.3129, 54.8618, 138.7166



59.9595, 54.8618, 19.9996



37.7112, 54.8618, 104.5471

Square

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



59.9595, 54.8618, 19.9996



35.2634, 54.8618, 40.8292



45.0399, 54.8618, 132.9477



73.7013, 54.8618, 83.7275

Rectangle

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



59.9595, 54.8618, 19.9996



42.8945, 54.8618, 21.5878



45.0399, 54.8618, 132.9477



62.6369, 54.8618, 127.5497

Sweetspot

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



59.9608, 54.8645, 20.0007



81.7591, 83.8645, 72.2648



54.0776, 33.9976, 46.0956



17.0900, 17.4386, 14.3827



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.



59.9608, 54.8645, 20.0007



55.8466, 48.6330, 12.4724



79.3979, 93.7388, 26.4797



18.7751, 19.5183, 18.9222



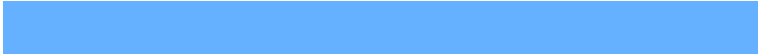
25.8705, 19.7523, 2.4490



2.6283, 2.1419, 0.2749

Inverse Universe

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



39.2508, 41.4872, 100.5463



33.4916, 34.2020, 99.4442



28.2813, 19.5481, 96.8897



17.7382, 18.8479, 22.9531



13.4114, 11.7323, 50.9923



1.4148, 1.3603, 5.0013

Previews

White Background



This preview shows how the XYZ color 59.9595, 54.8618, 19.9996 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 59.9595, 54.8618, 19.9996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

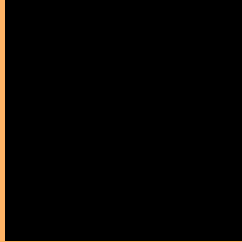
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9595, 54.8618, 19.9996

Background



This preview shows how black text looks on a background with the XYZ color 59.9595, 54.8618, 19.9996.



This preview shows how white text looks on a background with the XYZ color 59.9595, 54.8618,

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

59.9595, 54.8618, 19.9996

Protanopia

50.4181, 54.9885, 21.8664

Deuteranopia

56.3462, 55.1615, 19.7341



Tritanopia

64.9405, 54.6499, 53.0247

Trichromacy



Original Color

59.9595, 54.8618, 19.9996

Protanomaly

53.5964, 54.6698, 21.0921

Deuteranomaly

57.4955, 54.8134, 19.8616

Tritanomaly

62.6817, 54.6772, 38.2604

Monochromacy



Original Color

59.9595, 54.8618, 19.9996

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

52.9495, 53.5673, 41.2670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9595, 54.8618, 19.9996 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, 180, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 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, 180, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 102) }
```

Border

The CSS property to change the border of an element to XYZ 59.9595, 54.8618, 19.9996 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, 180, 102) }
```


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

```
.border{ border-color:rgb(255, 180, 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, 180, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9595, 54.8618, 19.9996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 102) }
```

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

```
.background{ background-color: rgb(255,  
180, 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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