

Converting Colors

XYZ(76.7708, 63.7172, 18.0804)

Have a look what the booklet for
XYZ(76.7708, 63.7172, 18.0804)
contains.

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Color

**XYZ(59.4496, 54.6578,
17.3142)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB45B
RGB	255, 180, 91
RGB Percent	100%, 71%, 36%
CMY	0.0000, 0.2941, 0.6431
CMYK	0.00, 0.29, 0.64, 0.00
HSL	33°, 100%, 68%
HSV	33°, 64%, 100%
XYZ	59.4496, 54.6578, 17.3142
YIQ	192.2790, 73.2690, -11.7790

Conversions

Conversions Part 2

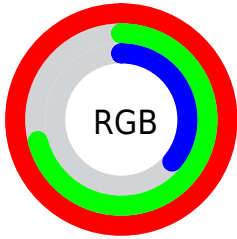
Format	Color
R _Y B	229, 255, 91
Decimal	16757851
CIE Lab	78.84, 18.79, 55.17
CIE LCh	79, 58.283, 71.189
Yxy	54.6578, 0.4524, 0.4159
Android (android.graphics.Color)	4294947931 (0xFFFFB45B)
YUV	192.2790, -49.9305, 55.0063
Hunter-Lab	73.9309, 14.1570, 37.8663

Details

The XYZ color **59.4496, 54.6578, 17.3142** 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 **35.9999, 36.7150, 99.7966**, and the grayscale version is **50.5201, 53.1511, 57.8815**.

A 20% lighter version of the original color is **76.2695, 83.2645, 38.4374**, and **30.2037, 26.7946, 5.4994** is the 20% darker color. If you saturate the color by 10%, you get **56.2752, 49.7806, 11.7203**, and if you desaturate by 10%, it is **63.1982, 60.0860, 24.9435**.

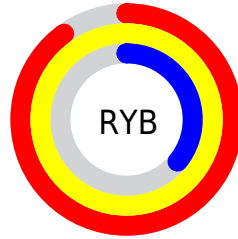
Distribution



Red (100%)

Green (71%)

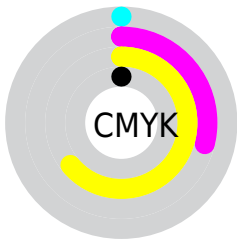
Blue (36%)



Red (90%)

Yellow (100%)

Blue (36%)

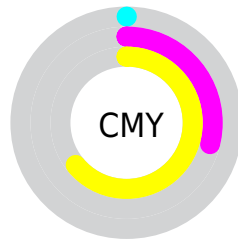


Cyan (0%)

Magenta (29%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.4496, 54.6578, 17.3142 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 59.4496, 54.6578, 17.3142 by changing the saturation by 10% instead.


 59.4496, 54.6578,
17.3142


 59.4496, 54.6578,
17.3142


412.4334,
404.6135, 249.0815


 43.2229, 39.1278,
10.2944


 103.1417, 97.0394,
39.6632


 30.2553, 26.8592,
5.4865


 131.3379,
124.6598, 55.8296

 20.1815, 17.4675,
2.4717


 164.2546,
157.0791, 75.8819

 12.6361, 10.5684,
0.8251

 202.2571,
194.6818, 100.2387

 7.2537, 5.7774,
0.0000

245.7109,
237.8521, 129.3185

 3.6690, 2.7102,
0.0000

294.9813,

 1.5166, 0.9824,

286.9746, 163.5399

0.0000

350.4337,
342.4336, 203.3214

■ 0.3371, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.4496, 54.6578,
17.3142

■ 59.4496, 54.6578,
17.3142

■ 56.2752, 49.7806,
11.7203

■ 63.1982, 60.0860,
24.9435

■ 53.6267, 45.4208,
7.9484

■ 67.5560, 66.0800,
34.7863

■ 51.4517, 41.5514,
5.7420

■ 72.5590, 72.6637,
47.0044

■ 50.3848, 39.5498,
4.9783

■ 78.2390, 79.8568,
61.7437

84.6254, 87.6779,
79.1381

91.7458, 96.1447,
99.3120

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.



70.5298, 54.6578, 26.6733



59.4496, 54.6578, 17.3142



47.7572, 54.6578, 16.3706

Triad

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



59.4496, 54.6578, 17.3142



33.0599, 54.6578, 72.7348



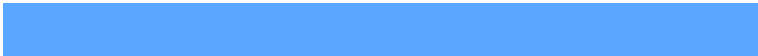
67.9999, 54.6578, 121.3937

Complementary

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



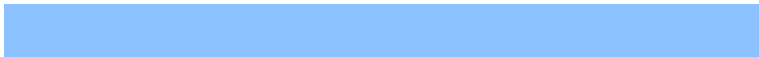
59.4496, 54.6578, 17.3142



35.9999, 36.7150, 99.7966

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.



56.3826, 54.6578, 146.3087



59.4496, 54.6578, 17.3142



36.9594, 54.6578, 112.0251

Square

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



59.4496, 54.6578, 17.3142



33.6287, 54.6578, 41.2620



45.1103, 54.6578, 142.3569



75.9493, 54.6578, 82.4804

Rectangle

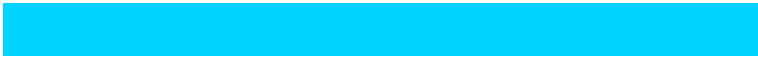
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.4496, 54.6578, 17.3142



41.2726, 54.6578, 19.9870



45.1103, 54.6578, 142.3569



64.3277, 54.6578, 132.2353

Sweetspot

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



59.4509, 54.6605, 17.3152



81.5425, 83.9330, 70.6464



52.0057, 31.5523, 40.1680



17.0674, 17.4907, 14.0751



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.



59.4509, 54.6605, 17.3152



55.5139, 48.5593, 10.5372



76.9054, 92.5129, 23.7015



18.8262, 19.6207, 18.9392



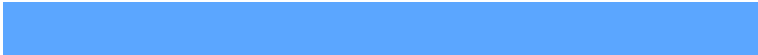
26.4785, 20.9682, 2.6517



2.6874, 2.2602, 0.2946

Inverse Universe

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



35.9999, 36.7150, 99.7966



30.4916, 29.4564, 98.6863



26.6646, 17.2149, 96.5247



17.6873, 18.7463, 22.9361



12.8767, 10.6629, 50.8141



1.3614, 1.2535, 4.9835

Previews

White Background



This preview shows how the XYZ color 59.4496, 54.6578, 17.3142 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 59.4496, 54.6578, 17.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

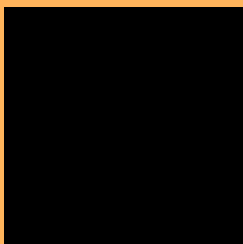
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4496, 54.6578, 17.3142

Background



This preview shows how black text looks on a background with the XYZ color 59.4496, 54.6578, 17.3142.



This preview shows how white text looks on a background with the XYZ color 59.4496, 54.6578,

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

59.4496, 54.6578, 17.3142

Protanopia

50.1702, 54.9233, 19.0233

Deuteranopia

55.9800, 54.7163, 17.0620



Tritanopia

64.8353, 54.6078, 52.4706

Trichromacy



Original Color

59.4496, 54.6578, 17.3142

Protanomaly

53.0670, 54.4581, 18.3042

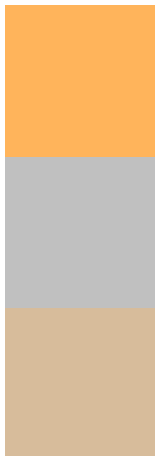
Deuteranomaly

57.3437, 54.7933, 17.2267

Tritanomaly

62.2704, 54.5127, 36.0942

Monochromacy



Original Color

59.4496, 54.6578, 17.3142

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

51.9239, 52.7801, 38.4612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4496, 54.6578, 17.3142 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 91) }
```

Border

The CSS property to change the border of an element to XYZ 59.4496, 54.6578, 17.3142 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, 91) }
```


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

```
.border{ border-color:rgb(255, 180, 91) }
```

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, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4496, 54.6578, 17.3142 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, 91) }
```

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

```
.background{ background-color: rgb(255,  
180, 91) }
```

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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