

Converting Colors

XYZ(83.9557, 67.3446, 17.1777)

Have a look what the booklet for
XYZ(83.9557, 67.3446, 17.1777)
contains.

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Color

**XYZ(59.2010, 54.5584,
16.0049)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB455
RGB	255, 180, 85
RGB Percent	100%, 71%, 33%
CMY	0.0000, 0.2941, 0.6667
CMYK	0.00, 0.29, 0.67, 0.00
HSL	34°, 100%, 67%
HSV	34°, 67%, 100%
XYZ	59.2010, 54.5584, 16.0049
YIQ	191.5950, 75.1950, -13.6450

Conversions

Conversions Part 2

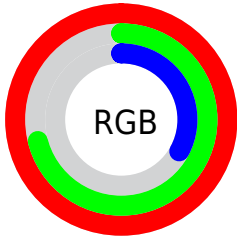
Format	Color
R_{YB}	219, 255, 85
Decimal	16757845
CIE _{Lab}	78.79, 18.44, 57.87
CIE _{LCh}	79, 60.742, 72.323
Yxy	54.5584, 0.4562, 0.4204
Android (android.graphics.Color)	4294947925 (0xFFFFB455)
YUV	191.5950, -52.5513, 55.6062
Hunter-Lab	73.8637, 13.8046, 38.8575

Details

The XYZ color **59.2010, 54.5584, 16.0049** 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 **34.3665, 34.2914, 99.4149**, and the grayscale version is **50.1339, 52.7448, 57.4391**.

A 20% lighter version of the original color is **75.8229, 83.0859, 36.0856**, and **30.0848, 26.7470, 4.8734** is the 20% darker color. If you saturate the color by 10%, you get **56.1853, 49.8668, 10.8703**, and if you desaturate by 10%, it is **62.7684, 59.7700, 23.1243**.

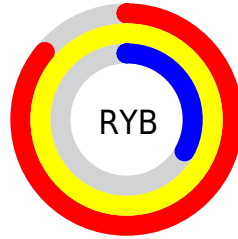
Distribution



Red (100%)

Green (71%)

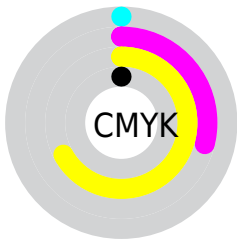
Blue (33%)



Red (86%)

Yellow (100%)

Blue (33%)

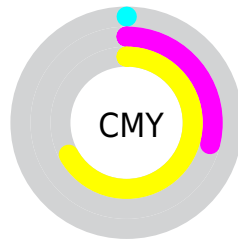


Cyan (0%)

Magenta (29%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2010, 54.5584, 16.0049 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 59.2010, 54.5584, 16.0049 by changing the saturation by 10% instead.

59.2010, 54.5584,
16.0049

59.2010, 54.5584,
16.0049

411.5285,
404.2358, 241.2173

43.0219, 39.0483,
9.3732

102.7827, 96.8936,
37.3736

30.0969, 26.7973,
4.8853

130.9160,
124.4875, 52.9477

20.0606, 17.4210,
2.1226

163.7649,
156.8782, 72.3398

12.5476, 10.5351,
0.6291

201.6945,
194.4499, 95.9682

7.1926, 5.7552,
0.0000

245.0703,
237.5871, 124.2517

3.6303, 2.6968,
0.0000

294.2577,

1.4952, 0.9756,

286.6743, 157.6087

0.0000

349.6220,
342.0957, 196.4577

■ 0.3225, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.2010, 54.5584,
16.0049

■ 59.2010, 54.5584,
16.0049

■ 56.1853, 49.8668,
10.8703

■ 62.7684, 59.7700,
23.1243

■ 53.6718, 45.6619,
7.4984

■ 66.9232, 65.5160,
32.4121

■ 51.6054, 41.9165,
5.6150

■ 71.7016, 71.8197,
44.0345

■ 50.9887, 40.7576,
5.1796

■ 77.1358, 78.7000,
58.1402

■ 83.2551, 86.1751,
74.8656

■ 90.0871, 94.2617,
94.3370

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.



70.9052, 54.5584, 25.0357



59.2010, 54.5584, 16.0049



47.0749, 54.5584, 15.3461

Triad

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



59.2010, 54.5584, 16.0049



32.3833, 54.5584, 74.6928



69.0398, 54.5584, 123.0707

Complementary

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



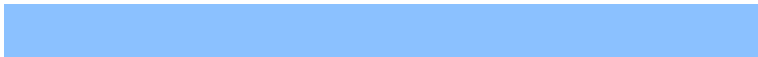
59.2010, 54.5584, 16.0049



34.3665, 34.2914, 99.4149

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.



56.9506, 54.5584, 150.4603



59.2010, 54.5584, 16.0049



36.5665, 54.5584, 116.0965

Square

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



59.2010, 54.5584, 16.0049



32.7936, 54.5584, 41.4760



45.1453, 54.5584, 147.5043



77.1618, 54.5584, 81.8738

Rectangle

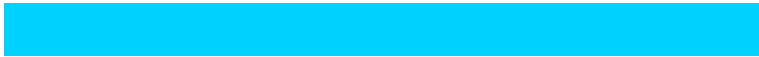
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.2010, 54.5584, 16.0049



40.4464, 54.5584, 19.1702



45.1453, 54.5584, 147.5043



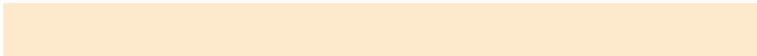
65.2320, 54.5584, 134.8017

Sweetspot

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



59.2023, 54.5611, 16.0059



81.1372, 83.6158, 68.9898



50.9658, 30.3483, 37.1220



16.9975, 17.4466, 13.7565



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.



59.2023, 54.5611, 16.0059



55.2940, 48.4119, 9.5621



75.5812, 91.8589, 22.3419



18.8514, 19.6711, 18.9477



26.7942, 21.5996, 2.7569



2.7178, 2.3209, 0.3047

Inverse Universe

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



34.3665, 34.2914, 99.4149



28.9391, 26.9714, 98.2885



25.8639, 16.0709, 96.3461



17.6624, 18.6965, 22.9278



12.6305, 10.1706, 50.7320



1.3365, 1.2037, 4.9752

Previews

White Background



This preview shows how the XYZ color 59.2010, 54.5584, 16.0049 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 59.2010, 54.5584, 16.0049 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 59.2010, 54.5584, 16.0049

Background



This preview shows how black text looks on a background with the XYZ color 59.2010, 54.5584, 16.0049.



This preview shows how white text looks on a background with the XYZ color 59.2010, 54.5584,

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

59.2010, 54.5584, 16.0049

Protanopia

50.2007, 54.9698, 17.6372

Deuteranopia

55.7382, 54.6196, 15.7885



Tritanopia

64.8353, 54.6078, 52.4706

Trichromacy



Original Color

59.2010, 54.5584, 16.0049

Protanomaly

53.1299, 54.5204, 16.9558

Deuteranomaly

57.0985, 54.6952, 15.9353

Tritanomaly

62.1106, 54.4488, 35.2531

Monochromacy



Original Color

59.2010, 54.5584, 16.0049

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

51.7573, 52.7134, 37.5838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2010, 54.5584, 16.0049 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 85) }
```

Border

The CSS property to change the border of an element to XYZ 59.2010, 54.5584, 16.0049 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, 85) }
```


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

```
.border{ border-color:rgb(255, 180, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2010, 54.5584, 16.0049 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, 85) }
```

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

```
.background{ background-color: rgb(255,  
180, 85) }
```

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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