

# Converting Colors

XYZ(59.5139, 55.1224, 18.0560)

Have a look what the booklet for  
XYZ(59.5139, 55.1224, 18.0560)  
contains.

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# Color

**XYZ(59.4173, 54.9267,  
18.0600)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FEB55E                      |
| RGB         | 254, 181, 94                |
| RGB Percent | 100%, 71%, 37%              |
| CMY         | 0.0039, 0.2902, 0.6314      |
| CMYK        | 0.00, 0.29, 0.63, 0.00      |
| HSL         | 33°, 99%, 68%               |
| HSV         | 33°, 63%, 100%              |
| XYZ         | 59.4173, 54.9267, 18.0600   |
| YIQ         | 192.9090, 71.4350, -11.5810 |

# Conversions

## Conversions Part 2

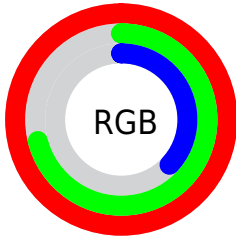
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 228, 254, 94                   |
| Decimal                             | 16692574                       |
| CIE Lab                             | 79.00, 18.05, 53.90            |
| CIE LCh                             | 79, 56.844, 71.490             |
| Yxy                                 | 54.9267, 0.4488,<br>0.4148     |
| Android<br>(android.graphics.Color) | 4294882654<br>(0xFFFE B55E)    |
| YUV                                 | 192.9090, -48.7621,<br>53.5768 |
| Hunter-Lab                          | 74.1125, 13.4095,<br>37.4308   |

# Details

The XYZ color **59.4173, 54.9267, 18.0600** 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 **36.3235, 37.1713, 99.0257**, and the grayscale version is **50.8845, 53.5344, 58.2990**.

A 20% lighter version of the original color is **76.7906, 83.9350, 39.7575**, and **30.1294, 26.9430, 5.8030** is the 20% darker color. If you saturate the color by 10%, you get **56.2008, 50.0276, 12.2600**, and if you desaturate by 10%, it is **63.2073, 60.3732, 25.9016**.

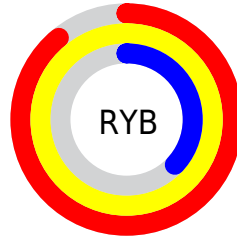
# Distribution



Red (100%)

Green (71%)

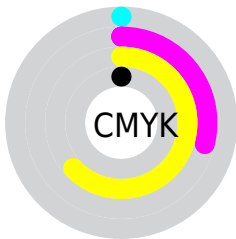
Blue (37%)



Red (89%)

Yellow (100%)

Blue (37%)

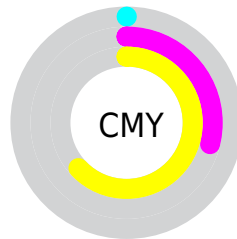


Cyan (0%)

Magenta (29%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4173, 54.9267, 18.0600 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 59.4173, 54.9267, 18.0600 by changing the saturation by 10% instead.



59.4173, 54.9267,  
18.0600

59.4173, 54.9267,  
18.0600

412.3159,  
405.6340, 253.4565

43.1968, 39.3430,  
10.8232

103.0951, 97.4336,  
40.9549

30.2347, 27.0267,  
5.8354

131.2831,  
125.1255, 57.4500

20.1658, 17.5933,  
2.6781

164.1909,  
157.6224, 77.8683

12.6246, 10.6584,  
0.9324

202.1840,  
195.3086, 102.6283

7.2458, 5.8376,  
0.0000

245.6277,  
238.5684, 132.1486

3.6640, 2.7466,  
0.0000

294.8874,

1.5138, 1.0009,

287.7863, 166.8477

0.0000

350.3283,  
343.3467, 207.1442

■ 0.3352, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.4173, 54.9267,  
18.0600

■ 59.4173, 54.9267,  
18.0600

■ 56.2008, 50.0276,  
12.2600

■ 63.2073, 60.3732,  
25.9016

■ 53.5107, 45.6428,  
8.2947

■ 67.6047, 66.3814,  
35.9581

■ 51.2969, 41.7467,  
5.9181

■ 72.6447, 72.9747,  
48.3875

■ 49.9788, 39.2826,  
4.9481

■ 78.3585, 80.1723,  
63.3325

84.7749, 87.9925,  
80.9244

91.9208, 96.4525,  
101.2854

94.6828, 99.8107,  
108.8828

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2448, 54.9267, 27.3120



59.4173, 54.9267, 18.0600



47.9939, 54.9267, 17.1863

# Triad

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



59.4173, 54.9267, 18.0600



33.6670, 54.9267, 73.0865



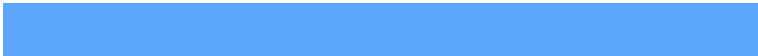
67.9753, 54.9267, 119.6250

# Complementary

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



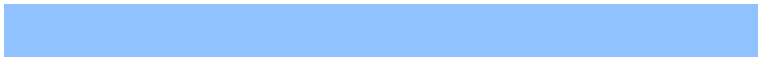
59.4173, 54.9267, 18.0600



36.3235, 37.1713, 99.0257

# 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.



56.6580, 54.9267, 143.9307



59.4173, 54.9267, 18.0600



37.5547, 54.9267, 111.2687

# Square

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



59.4173, 54.9267, 18.0600



34.1839, 54.9267, 42.1358



45.6035, 54.9267, 140.4159



75.6566, 54.9267, 81.8320



# Rectangle

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



59.4173, 54.9267, 18.0600



41.6529, 54.9267, 20.8721



45.6035, 54.9267, 140.4159



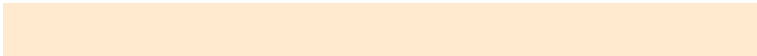
64.4065, 54.9267, 130.1672

# Sweetspot

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



59.4186, 54.9294, 18.0611



81.5571, 83.9622, 70.6513



52.0060, 31.9287, 40.7947



17.0710, 17.4977, 14.0763



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.



59.4186, 54.9294, 18.0611



55.8307, 49.0850, 10.9749



76.4101, 91.7699, 24.2764



18.8279, 19.6240, 18.9398



26.4990, 21.0093, 2.6585



2.6894, 2.2642, 0.2953



# Inverse Universe

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



36.3235, 37.1713, 99.0257



30.8317, 29.9082, 98.7556



27.0746, 17.8332, 95.7806



17.6857, 18.7430, 22.9356



12.8600, 10.6297, 50.8085



1.3597, 1.2502, 4.9829



# Previews

## White Background



This preview shows how the XYZ color 59.4173, 54.9267, 18.0600 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 59.4173, 54.9267, 18.0600 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 59.4173, 54.9267, 18.0600**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.4173, 54.9267, 18.0600.



This preview shows how white text looks on a background with the XYZ color 59.4173, 54.9267,



# 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

59.4173, 54.9267, 18.0600

### Protanopia

50.3110, 54.9796, 19.7648

### Deuteranopia

56.3641, 55.2082, 18.0415



## Tritanopia

65.1330, 55.0349, 53.0889

# Trichromacy



## Original Color

59.4173, 54.9267, 18.0600

## Protanomaly

53.4216, 54.9477, 19.0996

## Deuteranomaly

57.3308, 55.0811, 17.9660

## Tritanomaly

62.6296, 54.9713, 37.0153

# Monochromacy



## Original Color

59.4173, 54.9267, 18.0600

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

52.3077, 53.2766, 39.4248

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4173, 54.9267, 18.0600 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(254, 181, 94)` looks like.

```
.text, #text, p{  
    color:rgb(254, 181, 94)  
}
```

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(254, 181, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 181, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4173, 54.9267, 18.0600 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(254, 181, 94) }
```



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

```
.border{ border-color:rgb(254, 181, 94) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(254, 181, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 181, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 181, 94);  
box-shadow:4px 4px 4px 4px rgb(254, 181,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4173, 54.9267, 18.0600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 181, 94) }
```

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

```
.background{ background-color: rgb(254,  
181, 94) }
```

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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