

# Converting Colors

XYZ(58.1374, 58.1169, 15.5506)

Have a look what the booklet for  
XYZ(58.1374, 58.1169, 15.5506)  
contains.

<b>XYZ(58.1374, 58.1169, 15.5506)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(58.1374, 58.1169,  
15.5506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5C14F
RGB	245, 193, 79
RGB Percent	96%, 76%, 31%
CMY	0.0392, 0.2431, 0.6902
CMYK	0.00, 0.21, 0.68, 0.04
HSL	41°, 89%, 64%
HSV	41°, 68%, 96%
XYZ	58.1374, 58.1169, 15.5506
YIQ	195.5520, 67.5860, -24.4300

# Conversions

## Conversions Part 2

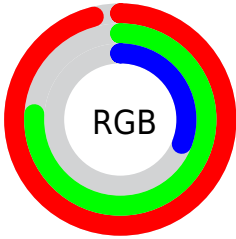
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 245, 79
Decimal	16105807
CIE Lab	80.80, 7.18, 62.36
CIE LCh	81, 62.772, 83.436
Yxy	58.1169, 0.4411, 0.4409
Android (android.graphics.Color)	4294295887 (0xFFFF5C14F)
YUV	195.5520, -57.4601, 43.3659
Hunter-Lab	76.2344, 2.7162, 41.2699

# Details

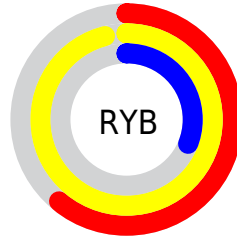
The XYZ color **58.1374, 58.1169, 15.5506** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed yellow. A complement of this color would be **27.8218, 24.4864, 89.6456**, and the grayscale version is **52.5071, 55.2415, 60.1580**.

A 20% lighter version of the original color is **79.3493, 90.7048, 35.5159**, and **29.5032, 29.1175, 4.6813** is the 20% darker color. If you saturate the color by 10%, you get **55.7523, 54.5208, 11.1374**, and if you desaturate by 10%, it is **60.9416, 62.0262, 21.7250**.

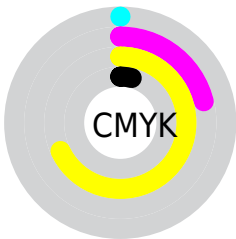
# Distribution



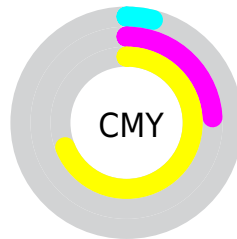
- Red (96%)
- Green (76%)
- Blue (31%)



- Red (61%)
- Yellow (96%)
- Blue (31%)



- Cyan (0%)
- Magenta (21%)
- Yellow (68%)
- Black (4%)



- Cyan (4%)
- Magenta (24%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1374, 58.1169, 15.5506 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 58.1374, 58.1169, 15.5506 by changing the saturation by 10% instead.



58.1374, 58.1169,  
15.5506

58.1374, 58.1169,  
15.5506

407.6433,  
417.6214, 238.4296

42.1628, 41.9026,  
9.0558

101.2447,  
102.0931, 36.5721

29.4205, 29.0251,  
4.6803

129.1082,  
130.6238, 51.9359

19.5450, 19.0998,  
2.0055

161.6653,  
164.0287, 71.0932

12.1711, 11.7424,  
0.5587

199.2814,  
202.6924, 94.4623

6.9333, 6.5685,  
0.0000

242.3220,  
246.9990, 122.4620

3.4664, 3.1938,  
0.0000

291.1522,

1.4049, 1.2337,

297.3332, 155.5108

0.0000

346.1376,  
354.0792, 194.0271

■ 0.2597, 0.0890,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.1374, 58.1169,  
15.5506

■ 58.1374, 58.1169,  
15.5506

■ 55.7523, 54.5208,  
11.1374

■ 60.9416, 62.0262,  
21.7250

■ 53.7429, 51.2114,  
8.2807


■ 64.1947, 66.2556,  
29.8283


■ 52.0580, 48.1683,  
6.7117


■ 67.9277, 70.8219,  
40.0120


■ 51.7069, 47.5143,  
6.4459

■ 72.1676, 75.7379,  
52.4117

 76.9389, 81.0153,  
67.1514

 82.2647, 86.6653,  
84.3458

 88.1663, 92.6983,  
104.1020

 91.2738, 97.7681,  
108.6682

 91.4659, 98.1523,  
108.7323

# Harmonies

## Analogous

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



71.4604, 58.1169, 21.5119



58.1374, 58.1169, 15.5506



45.9044, 58.1169, 17.7764

# Triad

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



58.1374, 58.1169, 15.5506



35.3768, 58.1169, 96.1360



77.7791, 58.1169, 116.0536

# Complementary

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



58.1374, 58.1169, 15.5506



27.8218, 24.4864, 89.6456

# 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.



65.7589, 58.1169, 153.9924



58.1374, 58.1169, 15.5506



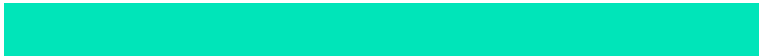
41.6783, 58.1169, 139.6935

# Square

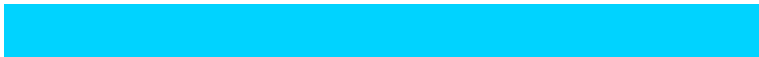
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.1374, 58.1169, 15.5506



33.9887, 58.1169, 55.4638



52.4374, 58.1169, 164.0120



83.8910, 58.1169, 71.7968



# Rectangle

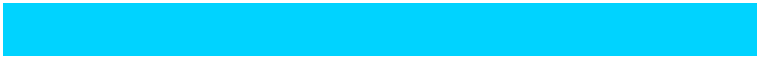
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.1374, 58.1169, 15.5506



39.8095, 58.1169, 24.3044



52.4374, 58.1169, 164.0120



74.2131, 58.1169, 130.5722

# Sweetspot

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



58.1387, 58.1197, 15.5517



83.0132, 87.3678, 69.6152



44.5875, 26.6589, 24.4710



17.4486, 18.3487, 13.9068



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.



58.1387, 58.1197, 15.5517



60.2625, 58.4364, 10.9484



61.9608, 80.2505, 19.6220



17.4513, 18.3867, 17.4268



27.9851, 25.8558, 3.5157



2.5512, 2.4557, 0.3395



# Inverse Universe

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



27.8218, 24.4864, 89.6456



25.2116, 19.7020, 97.0818



25.6380, 15.4639, 88.0192



16.0046, 16.7736, 20.9367



10.4074, 6.6085, 47.2651



1.0027, 0.7569, 4.1835



# Previews

## White Background



This preview shows how the XYZ color 58.1374, 58.1169, 15.5506 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 58.1374, 58.1169, 15.5506 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 58.1374, 58.1169, 15.5506

## Background



This preview shows how black text looks on a background with the XYZ color 58.1374, 58.1169, 15.5506.



This preview shows how white text looks on a background with the XYZ color 58.1374, 58.1169,



# 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

58.1374, 58.1169, 15.5506

### Protanopia

53.1123, 58.2147, 16.2218

### Deuteranopia

59.5031, 58.1648, 15.6802



## Tritanopia

67.2473, 58.0587, 59.2919

# Trichromacy



## Original Color

58.1374, 58.1169, 15.5506

## Protanomaly

54.9208, 58.1232, 15.9137

## Deuteranomaly

59.0090, 58.2349, 15.7198

## Tritanomaly

62.8824, 57.5071, 37.9227

# Monochromacy



## Original Color

58.1374, 58.1169, 15.5506

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

52.9964, 55.6263, 38.0807

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.1374, 58.1169, 15.5506 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(245, 193, 79)` looks like.

```
.text, #text, p{  
    color:rgb(245, 193, 79)  
}
```

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(245, 193, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 193, 79) }
```

## Border

The CSS property to change the border of an element to XYZ 58.1374, 58.1169, 15.5506 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(245, 193, 79) }
```



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

```
.border{ border-color:rgb(245, 193, 79) }
```

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

Here you see how a box with a 4 pixel rgb(245, 193, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 193, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 193, 79);  
box-shadow:4px 4px 4px 4px rgb(245, 193,  
79) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.1374, 58.1169, 15.5506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 193, 79) }
```

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

```
.background{ background-color: rgb(245,  
193, 79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor