

# Converting Colors

XYZ(57.7320, 58.2702, 15.7963)

Have a look what the booklet for  
XYZ(57.7320, 58.2702, 15.7963)  
contains.

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# **Color**

**XYZ(57.7019, 58.2174,  
15.7853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3C250
RGB	243, 194, 80
RGB Percent	95%, 76%, 31%
CMY	0.0471, 0.2392, 0.6863
CMYK	0.00, 0.20, 0.67, 0.05
HSL	42°, 87%, 63%
HSV	42°, 67%, 95%
XYZ	57.7019, 58.2174, 15.7853
YIQ	195.6550, 65.7980, -25.0660

# Conversions

## Conversions Part 2

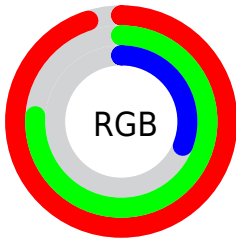
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 243, 80
Decimal	15974992
CIELab	80.86, 5.87, 61.93
CIELCh	81, 62.211, 84.583
Yxy	58.2174, 0.4381, 0.4420
Android (android.graphics.Color)	4294165072 (0xFF3C250)
YUV	195.6550, -57.0179, 41.5216
Hunter-Lab	76.3003, 1.4645, 41.1441

# Details

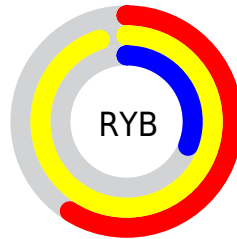
The XYZ color **57.7019, 58.2174, 15.7853** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **27.3359, 23.8763, 87.9614**, and the grayscale version is **52.5671, 55.3046, 60.2267**.

A 20% lighter version of the original color is **79.7287, 91.3524, 35.9849**, and **29.1887, 29.1712, 4.8017** is the 20% darker color. If you saturate the color by 10%, you get **55.3758, 54.7517, 11.3530**, and if you desaturate by 10%, it is **60.4352, 61.9784, 21.9554**.

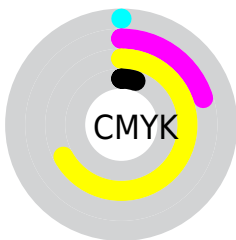
# Distribution



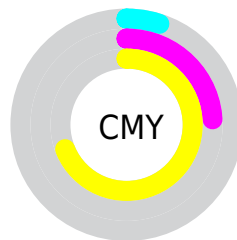
- Red (95%)
- Green (76%)
- Blue (31%)



- Red (59%)
- Yellow (95%)
- Blue (31%)



- Cyan (0%)
- Magenta (20%)
- Yellow (67%)
- Black (5%)



- Cyan (5%)
- Magenta (24%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7019, 58.2174, 15.7853 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 57.7019, 58.2174, 15.7853 by changing the saturation by 10% instead.



57.7019, 58.2174,  
15.7853

57.7019, 58.2174,  
15.7853

406.0460,  
417.9955, 239.8738

41.8114, 41.9835,  
9.2196

100.6141,  
102.2394, 36.9867

29.1441, 29.0883,  
4.7860

128.3665,  
130.7962, 52.4595

19.3347, 19.1477,  
2.0657

160.8035,  
164.2294, 71.7384

12.0178, 11.7770,  
0.5952

198.2906,  
202.9235, 95.2420

6.8281, 6.5920,  
0.0000

241.1930,  
247.2627, 123.3887

3.4002, 3.2083,  
0.0000

289.8761,

1.3688, 1.2414,

297.6315, 156.5973

0.0000

344.7054,  
354.4143, 195.2861

■ 0.2338, 0.0952,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.7019, 58.2174,  
15.7853

■ 57.7019, 58.2174,  
15.7853

■ 55.3758, 54.7517,  
11.3530

■ 60.4352, 61.9784,  
21.9554

■ 53.4147, 51.5557,  
8.4604

■ 63.6041, 66.0410,  
30.0258

■ 51.7713, 48.6111,  
6.8582


■ 67.2387, 70.4213,  
40.1440

■ 51.3290, 47.7887,  
6.5188


■ 71.3652, 75.1314,  
52.4418

 76.0075, 80.1825,  
67.0400

 81.1876, 85.5852,  
84.0506

 86.9266, 91.3495,  
103.5780

 89.9603, 96.1712,  
108.4292

 90.7719, 97.7946,  
108.6998

# Harmonies

## Analogous

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



70.9423, 58.2174, 21.4094



57.7019, 58.2174, 15.7853



45.6681, 58.2174, 18.3271

# Triad

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



57.7019, 58.2174, 15.7853



35.7505, 58.2174, 97.6635



78.0397, 58.2174, 113.9436

# Complementary

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



57.7019, 58.2174, 15.7853



27.3359, 23.8763, 87.9614

# 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.



66.2755, 58.2174, 152.0964



57.7019, 58.2174, 15.7853



42.2012, 58.2174, 140.4230

# Square

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



57.7019, 58.2174, 15.7853



34.1809, 58.2174, 56.9340



53.0316, 58.2174, 163.3026



83.7930, 58.2174, 70.3141



# Rectangle

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



57.7019, 58.2174, 15.7853



39.7235, 58.2174, 25.1363



53.0316, 58.2174, 163.3026



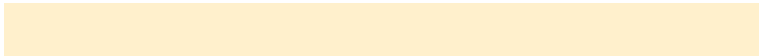
74.5766, 58.2174, 128.4154

# Sweetspot

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



57.7032, 58.2202, 15.7864



83.2023, 87.7460, 69.6782



43.9697, 26.4479, 24.4808



17.4942, 18.4399, 13.9220



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.



57.7032, 58.2202, 15.7864



61.0586, 59.9412, 11.4836



60.9730, 78.8437, 19.5948



17.4697, 18.4234, 17.4329



28.2951, 26.4757, 3.6190



2.5766, 2.5065, 0.3480



# Inverse Universe

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



27.3359, 23.8763, 87.9614



25.2446, 19.5824, 97.0570



25.4627, 15.5166, 86.4465



15.9872, 16.7387, 20.9308



10.2908, 6.3753, 47.2262



0.9907, 0.7328, 4.1795



# Previews

## White Background



This preview shows how the XYZ color 57.7019, 58.2174, 15.7853 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 57.7019, 58.2174, 15.7853 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 57.7019, 58.2174, 15.7853**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.7019, 58.2174, 15.7853.



This preview shows how white text looks on a background with the XYZ color 57.7019, 58.2174,



# 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

57.7019, 58.2174, 15.7853

### Protanopia

53.1501, 58.2298, 16.4208

### Deuteranopia

59.5403, 58.1797, 15.8763



## Tritanopia

66.8366, 58.1369, 59.9234

# Trichromacy



## Original Color

57.7019, 58.2174, 15.7853

## Protanomaly

54.6343, 57.9712, 16.0946

## Deuteranomaly

58.6926, 58.0675, 15.8993

## Tritanomaly

62.4586, 57.5906, 38.3960

# Monochromacy



## Original Color

57.7019, 58.2174, 15.7853

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

52.7884, 55.5094, 38.5040

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7019, 58.2174, 15.7853 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(243, 194, 80)` looks like.

```
.text, #text, p{  
    color:rgb(243, 194, 80)  
}
```

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(243, 194, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 194, 80) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7019, 58.2174, 15.7853 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(243, 194, 80) }
```



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

```
.border{ border-color:rgb(243, 194, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 194, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 194, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 194, 80);  
box-shadow:4px 4px 4px 4px rgb(243, 194,  
80) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7019, 58.2174, 15.7853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 194, 80) }
```

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

```
.background{ background-color: rgb(243,  
194, 80) }
```

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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