

# Converting Colors

XYZ(57.7472, 58.3274, 19.7249)

Have a look what the booklet for  
XYZ(57.7472, 58.3274, 19.7249)  
contains.

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# Color

**XYZ(57.9953, 58.6128,  
19.8120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1C362
RGB	241, 195, 98
RGB Percent	95%, 76%, 38%
CMY	0.0549, 0.2353, 0.6157
CMYK	0.00, 0.19, 0.59, 0.05
HSL	41°, 84%, 66%
HSV	41°, 59%, 95%
XYZ	57.9953, 58.6128, 19.8120
YIQ	197.6960, 58.5530, -20.4150

# Conversions

## Conversions Part 2

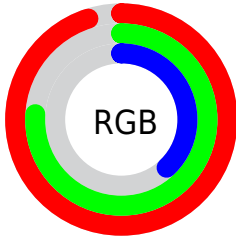
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 241, 98
Decimal	15844194
CIE <sub>Lab</sub>	81.08, 5.65, 54.04
CIE <sub>LCh</sub>	81, 54.338, 84.036
Yxy	58.6128, 0.4251, 0.4296
Android (android.graphics.Color)	4294034274 (0xFFFF1C362)
YUV	197.6960, -49.1501, 37.9776
Hunter-Lab	76.5590, 1.2398, 38.2482

# Details

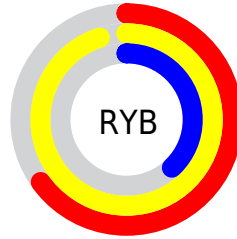
The XYZ color **57.9953, 58.6128, 19.8120** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.8870, 28.8929, 87.1676**, and the grayscale version is **53.7572, 56.5568, 61.5903**.

A 20% lighter version of the original color is **81.3231, 92.4887, 42.8441**, and **29.4575, 29.4883, 6.7240** is the 20% darker color. If you saturate the color by 10%, you get **55.3326, 54.8427, 14.1308**, and if you desaturate by 10%, it is **61.0934, 62.7059, 27.3292**.

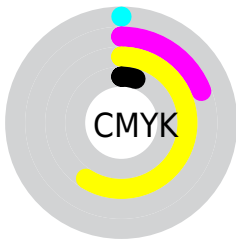
# Distribution



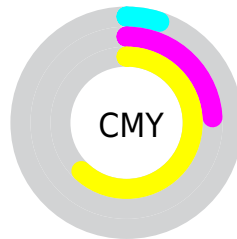
- Red (95%)
- Green (76%)
- Blue (38%)



- Red (65%)
- Yellow (95%)
- Blue (38%)



- Cyan (0%)
- Magenta (19%)
- Yellow (59%)
- Black (5%)



- Cyan (5%)
- Magenta (24%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9953, 58.6128, 19.8120 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 57.9953, 58.6128, 19.8120 by changing the saturation by 10% instead.



57.9953, 58.6128,  
19.8120

57.9953, 58.6128,  
19.8120

407.1226,  
419.4655, 263.4660

42.0481, 42.3015,  
12.0757

101.0390,  
102.8147, 43.9566

29.3302, 29.3374,  
6.6721

128.8663,  
131.4741, 61.2020

19.4763, 19.3362,  
3.1826

161.3842,  
165.0183, 82.4542

12.1210, 11.9135,  
1.1886

198.9583,  
203.8317, 108.1317

6.8989, 6.6848,  
0.0000

241.9538,  
248.2988, 138.6531

3.4447, 3.2658,  
0.0000

290.7361,

1.3931, 1.2720,

298.8038, 174.4370

0.0000

345.6706,  
355.7313, 215.9017

■ 0.2513, 0.1194,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.9953, 58.6128,  
19.8120

■ 57.9953, 58.6128,  
19.8120

■ 55.3326, 54.8427,  
14.1308

■ 61.0934, 62.7059,  
27.3292

■ 53.0681, 51.3717,  
10.1141


■ 64.6520, 67.1273,  
36.8262

■ 51.1639, 48.1847,  
7.5639


■ 68.6988, 71.8925,  
48.4363

■ 49.5598, 45.2553,  
6.1691


■ 73.2579, 77.0131,  
62.2802

 49.4589, 45.0676,  
6.0922

 78.3517, 82.5000,  
78.4695

 84.0010, 88.3636,  
97.1081

 88.2835, 93.8368,  
108.0670

 90.0854, 97.4407,  
108.6677

# Harmonies

## Analogous

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



69.4523, 58.6128, 25.5722



57.9953, 58.6128, 19.8120



47.3291, 58.6128, 22.2203

# Triad

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



57.9953, 58.6128, 19.8120



38.1462, 58.6128, 92.6317



75.1871, 58.6128, 107.7243

# Complementary

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



57.9953, 58.6128, 19.8120



30.8870, 28.8929, 87.1676

# 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.



65.0255, 58.6128, 139.0810



57.9953, 58.6128, 19.8120



43.9112, 58.6128, 128.5053

# Square

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



57.9953, 58.6128, 19.8120



36.7918, 58.6128, 57.5765



53.4850, 58.6128, 147.7491



80.2035, 58.6128, 70.4979



# Rectangle

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



57.9953, 58.6128, 19.8120



41.9443, 58.6128, 28.7525



53.4850, 58.6128, 147.7491



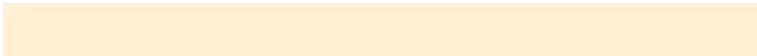
72.1986, 58.6128, 119.7441

# Sweetspot

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



57.9967, 58.6156, 19.8132



83.9909, 88.3281, 73.0088



45.8059, 29.5016, 30.3392



17.6356, 18.5298, 14.5646



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.



57.9967, 58.6156, 19.8132



62.3879, 61.5808, 15.0678



62.3247, 78.5694, 23.4365



16.6694, 17.5519, 16.6590



26.9479, 24.6939, 3.3461



2.3314, 2.2335, 0.3082



# Inverse Universe

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



30.8870, 28.8929, 87.1676



29.1462, 25.2259, 97.9407



28.2478, 19.2123, 85.4381



15.3123, 16.0587, 20.0142



10.1765, 6.5773, 45.8611



0.9333, 0.7205, 3.8441



# Previews

## White Background



This preview shows how the XYZ color 57.9953, 58.6128, 19.8120 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 57.9953, 58.6128, 19.8120 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 57.9953, 58.6128, 19.8120

## Background



This preview shows how black text looks on a background with the XYZ color 57.9953, 58.6128, 19.8120.



This preview shows how white text looks on a background with the XYZ color 57.9953, 58.6128,



# 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

57.9953, 58.6128, 19.8120

### Protanopia

53.8522, 58.8491, 20.5773

### Deuteranopia

59.8132, 58.5566, 19.9544



## Tritanopia

66.4005, 58.4979, 61.2176

# Trichromacy



## Original Color

57.9953, 58.6128, 19.8120

## Protanomaly

55.3087, 58.5707, 20.1946

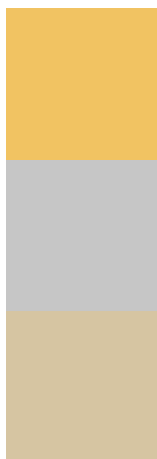
## Deuteranomaly

58.9783, 58.4533, 19.9785

## Tritanomaly

62.5108, 58.1679, 42.1153

# Monochromacy



## Original Color

57.9953, 58.6128, 19.8120

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

54.2194, 56.8373, 42.2954

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.9953, 58.6128, 19.8120 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(241, 195, 98)` looks like.

```
.text, #text, p{  
    color:rgb(241, 195, 98)  
}
```

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(241, 195, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 195, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 57.9953, 58.6128, 19.8120 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(241, 195, 98) }
```



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

```
.border{ border-color:rgb(241, 195, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 195, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 195, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 195, 98);  
box-shadow:4px 4px 4px 4px rgb(241, 195,  
98) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.9953, 58.6128, 19.8120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 195, 98) }
```

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

```
.background{ background-color: rgb(241,  
195, 98) }
```

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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