

# Converting Colors

XYZ(59.9821, 58.6652, 18.9886)

Have a look what the booklet for  
XYZ(59.9821, 58.6652, 18.9886)  
contains.

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# Color

**XYZ(59.9821, 58.6652,  
18.9886)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9C05F
RGB	249, 192, 95
RGB Percent	98%, 75%, 37%
CMY	0.0235, 0.2470, 0.6274
CMYK	0.00, 0.23, 0.62, 0.02
HSL	38°, 93%, 67%
HSV	38°, 62%, 98%
XYZ	59.9821, 58.6652, 18.9886
YIQ	197.9850, 65.1090, -18.0830

# Conversions

## Conversions Part 2

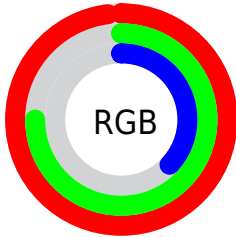
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 249, 95
Decimal	16367711
CIE <sub>Lab</sub>	81.11, 10.31, 55.69
CIE <sub>LCh</sub>	81, 56.633, 79.511
Yxy	58.6652, 0.4358, 0.4262
Android (android.graphics.Color)	4294557791 (0xFFFF9C05F)
YUV	197.9850, -50.7716, 44.7402
Hunter-Lab	76.5932, 5.7498, 38.9164

# Details

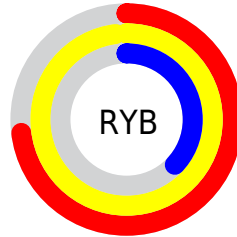
The XYZ color **59.9821, 58.6652, 18.9886** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **33.0459, 31.7276, 94.0044**, and the grayscale version is **53.9399, 56.7490, 61.7996**.

A 20% lighter version of the original color is **80.1527, 90.5329, 41.2671**, and **30.6368, 29.4512, 6.2604** is the 20% darker color. If you saturate the color by 10%, you get **57.0659, 54.3641, 13.2970**, and if you desaturate by 10%, it is **63.3894, 63.3701, 26.6291**.

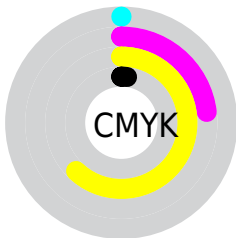
# Distribution



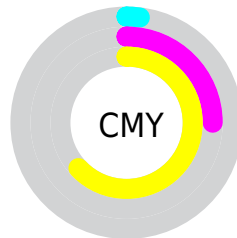
- Red (98%)
- Green (75%)
- Blue (37%)



- Red (73%)
- Yellow (98%)
- Blue (37%)



- Cyan (0%)
- Magenta (23%)
- Yellow (62%)
- Black (2%)



- Cyan (2%)
- Magenta (25%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9821, 58.6652, 18.9886 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 59.9821, 58.6652, 18.9886 by changing the saturation by 10% instead.



59.9821, 58.6652,  
18.9886

59.9821, 58.6652,  
18.9886

414.3676,  
419.6601, 258.8064

43.6536, 42.3437,  
11.4853

103.9102,  
102.8909, 42.5513

30.5950, 29.3705,  
6.2760

132.2405,  
131.5639, 59.4477

20.4410, 19.3613,  
2.9421

165.3021,  
165.1228, 80.3124

12.8261, 11.9316,  
1.0652

203.4605,  
203.9520, 105.5637

7.3851, 6.6971,  
0.0000

247.0808,  
248.4359, 135.6202

3.7525, 3.2734,  
0.0000

296.5285,

1.5631, 1.2761,

298.9590, 170.9004

0.0000

352.1690,  
355.9056, 211.8230

■ 0.3682, 0.1226,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.9821, 58.6652,  
18.9886

■ 59.9821, 58.6652,  
18.9886

■ 57.0659, 54.3641,  
13.2970

■ 63.3894, 63.3701,  
26.6291

■ 54.5986, 50.4392,  
9.3612


■ 67.3170, 68.4872,  
36.3797


■ 52.5358, 46.8715,  
6.9542

■ 71.7963, 74.0348,  
48.3890

■ 51.0978, 44.2018,  
5.8386

■ 76.8548, 80.0272,  
62.7906

 82.5178, 86.4779,  
79.7080

 88.8090, 93.3998,  
99.2559

 92.8767, 98.8796,  
108.7983

# Harmonies

## Analogous

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



71.7841, 58.6652, 26.1735



59.9821, 58.6652, 18.9886



48.5367, 58.6652, 20.1885

# Triad

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



59.9821, 58.6652, 18.9886



37.0311, 58.6652, 88.0633



74.8048, 58.6652, 115.8843

# Complementary

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



59.9821, 58.6652, 18.9886



33.0459, 31.7276, 94.0044

# 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.



63.6655, 58.6652, 146.5240



59.9821, 58.6652, 18.9886



42.3170, 58.6652, 126.9432

# Square

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



59.9821, 58.6652, 18.9886



36.3341, 58.6652, 52.7880



51.7399, 58.6652, 151.1622



81.1066, 58.6652, 76.4181



# Rectangle

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



59.9821, 58.6652, 18.9886



42.5637, 58.6652, 25.7832



51.7399, 58.6652, 151.1622



71.4345, 58.6652, 128.0706

# Sweetspot

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



59.9835, 58.6681, 18.9897



82.7517, 86.3514, 71.0494



48.9948, 30.6588, 33.9225



17.3602, 18.0762, 14.1727



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.



59.9835, 58.6681, 18.9897



59.6155, 56.4234, 12.9495



68.9069, 85.5717, 23.7124



18.1559, 19.0476, 18.1820



27.4925, 23.9417, 3.1722

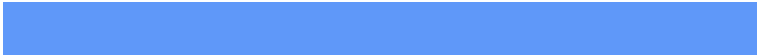


2.6476, 2.4201, 0.3276



# Inverse Universe

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



33.0459, 31.7276, 94.0044



29.1404, 26.0354, 98.0972



27.9973, 18.5331, 91.7237



16.8091, 17.6951, 21.9149



11.3327, 8.0210, 48.9245



1.1472, 0.9380, 4.5638



# Previews

## White Background



This preview shows how the XYZ color 59.9821, 58.6652, 18.9886 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

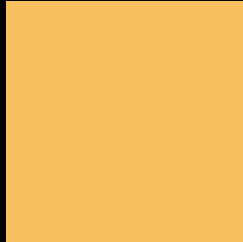
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.9821, 58.6652, 18.9886 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 59.9821, 58.6652, 18.9886**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.9821, 58.6652, 18.9886.



This preview shows how white text looks on a background with the XYZ color 59.9821, 58.6652,



# 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

59.9821, 58.6652, 18.9886

### Protanopia

53.7566, 58.8109, 20.0736

### Deuteranopia

59.9821, 58.6652, 18.9886



## Tritanopia

67.8183, 58.6560, 59.3771

# Trichromacy



## Original Color

59.9821, 58.6652, 18.9886

## Protanomaly

55.6305, 58.4070, 19.6509

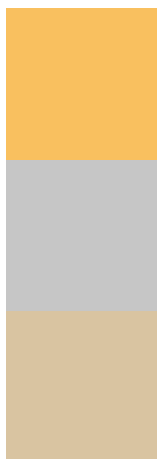
## Deuteranomaly

59.9821, 58.6652, 18.9886

## Tritanomaly

64.3249, 58.5037, 40.7029

# Monochromacy



## Original Color

59.9821, 58.6652, 18.9886

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

54.7882, 56.8048, 41.7950

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9821, 58.6652, 18.9886 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(249, 192, 95)` looks like.

```
.text, #text, p{  
    color:rgb(249, 192, 95)  
}
```

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(249, 192, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 192, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9821, 58.6652, 18.9886 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(249, 192, 95) }
```



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

```
.border{ border-color:rgb(249, 192, 95) }
```

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

Here you see how a box with a 4 pixel rgb(249, 192, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 192, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 192, 95);  
box-shadow:4px 4px 4px 4px rgb(249, 192,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9821, 58.6652, 18.9886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 192, 95) }
```

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

```
.background{ background-color: rgb(249,  
192, 95) }
```

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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