

# Converting Colors

XYZ(58.7317, 58.9920, 8.2911)

Have a look what the booklet for  
XYZ(58.7317, 58.9920, 8.2911)  
contains.

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# **Color**

**XYZ(58.7161, 58.9076,  
8.2756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAC200
RGB	250, 194, 0
RGB Percent	98%, 76%, 0%
CMY	0.0196, 0.2392, 0.9999
CMYK	0.00, 0.22, 1.00, 0.02
HSL	47°, 100%, 49%
HSV	47°, 100%, 98%
XYZ	58.7161, 58.9076, 8.2756
YIQ	188.6280, 95.6500, -48.4620

# Conversions

## Conversions Part 2

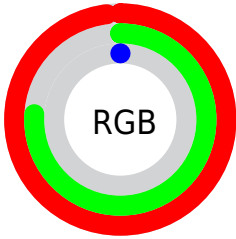
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	72, 250, 0
Decimal	16433664
CIE Lab	81.24, 6.70, 82.94
CIE LCh	81, 83.208, 85.385
Yxy	58.9076, 0.4664, 0.4679
Android (android.graphics.Color)	4294623744 (0xFFFA C200)
YUV	188.6280, -92.9936, 53.8232
Hunter-Lab	76.7513, 2.2409, 47.3330

# Details

The XYZ color **58.7161, 58.9076, 8.2756** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **18.6702, 9.7318, 91.3360**, and the grayscale version is **48.6361, 51.1690, 55.7230**.

A 20% lighter version of the original color is **77.0653, 90.2871, 21.9597**, and **30.2639, 29.7411, 4.1455** is the 20% darker color. If you saturate the color by 10%, you get **58.7162, 58.9084, 8.2758**, and if you desaturate by 10%, it is **60.1629, 61.5207, 9.6246**.

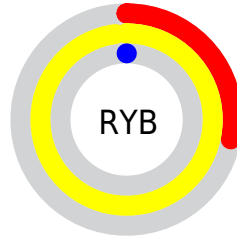
# Distribution



Red (98%)

Green (76%)

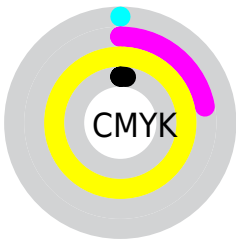
Blue (0%)



Red (28%)

Yellow (98%)

Blue (0%)

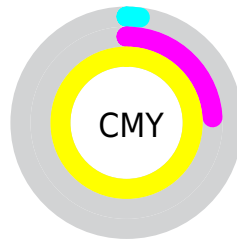


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (24%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7161, 58.9076, 8.2756 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 58.7161, 58.9076, 8.2756 by changing the saturation by 10% instead.




 58.7161, 58.9076,  
8.2756

 58.7161, 58.9076,  
8.2756


409.7600,  
420.5594, 187.8926

 42.6301, 42.5387,  
4.1815


 102.0819,  
103.2434, 23.0520


 29.7883, 29.5234,  
1.7254


 130.0925,  
131.9790, 34.5714

 19.8252, 19.4771,  
0.3781


 162.8086,  
165.6058, 49.4030

 12.3756, 12.0155,  
0.0000

 200.5956,  
204.5080, 67.9653

 7.0740, 6.7543,  
0.0000

 243.8189,  
249.0701, 90.6769

 3.5552, 3.3089,  
0.0000

 292.8438,

 1.4537, 1.2950,

299.6764, 117.9562

0.0000

348.0357,  
356.7114, 150.2220

■ 0.2940, 0.1374,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.7161, 58.9076,  
8.2756

■ 58.7161, 58.9076,  
8.2756

■ 58.7162, 58.9084,  
8.2758

■ 60.1629, 61.5207,  
9.6246

■ 61.8808, 64.3157,  
12.1727

■ 63.9408, 67.3243,  
16.2852

■ 66.3852, 70.5642,  
22.1833

■ 69.2497, 74.0504,  
30.0523

■ 72.5655, 77.7962,  
40.0544

■ 76.3607, 81.8135,  
52.3350

■ 80.6609, 86.1134,  
67.0264

■ 85.4897, 90.7059,  
84.2509

# Harmonies

## Analogous

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



77.1487, 58.9076, 13.2773



58.7161, 58.9076, 8.2756



42.8769, 58.9076, 10.7657

# Triad

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



58.7161, 58.9076, 8.2756



30.9441, 58.9076, 114.4084



88.1605, 58.9076, 135.1215

# Complementary

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



58.7161, 58.9076, 8.2756



18.6702, 9.7318, 91.3360

# 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.



71.5360, 58.9076, 194.8865



58.7161, 58.9076, 8.2756



39.1035, 58.9076, 179.2068

# Square

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



58.7161, 58.9076, 8.2756



28.8957, 58.9076, 56.7589



53.3494, 58.9076, 214.1838



96.2379, 58.9076, 72.1355



# Rectangle

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



58.7161, 58.9076, 8.2756



35.4496, 58.9076, 17.7308



53.3494, 58.9076, 214.1838



83.2388, 58.9076, 157.3096

# Sweetspot

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



58.7174, 58.9105, 8.2767



79.8614, 85.5649, 54.6897



40.1968, 20.6333, 5.9138



16.7217, 17.9273, 10.4821



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.



58.7174, 58.9105, 8.2767



61.4074, 61.5947, 8.6525



53.7944, 78.4794, 12.3134



18.3783, 19.4925, 18.2562



31.2578, 31.4722, 4.4273



2.9731, 3.0710, 0.4361



# Inverse Universe

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



18.6702, 9.7318, 91.3360



19.5189, 10.1578, 95.5396



19.5484, 8.0846, 90.9718



16.5983, 17.2735, 21.8446



9.9902, 5.3360, 48.4770



1.0008, 0.6454, 4.5150



# Previews

## White Background



This preview shows how the XYZ color 58.7161, 58.9076, 8.2756 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 58.7161, 58.9076, 8.2756 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 58.7161, 58.9076, 8.2756**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.7161, 58.9076, 8.2756.



This preview shows how white text looks on a background with the XYZ color 58.7161, 58.9076,



# 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

58.7161, 58.9076, 8.2756

### Protanopia

53.4172, 59.2324, 8.9654

### Deuteranopia

60.3114, 59.0480, 9.3810



## Tritanopia

67.8183, 58.6560, 59.3771

# Trichromacy



## Original Color

58.7161, 58.9076, 8.2756

## Protanomaly

55.2902, 59.1590, 8.7344

## Deuteranomaly

59.6872, 59.0662, 8.8273

## Tritanomaly

61.7050, 57.4557, 26.9066

# Monochromacy



## Original Color

58.7161, 58.9076, 8.2756

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

48.8849, 52.4666, 25.3198

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.7161, 58.9076, 8.2756 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(250, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 194, 0)  
}
```

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(250, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 194, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 58.7161, 58.9076, 8.2756 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(250, 194, 0) }
```



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

```
.border{ border-color:rgb(250, 194, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 194, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 194,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.7161, 58.9076, 8.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 194, 0) }
```

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

```
.background{ background-color: rgb(250,  
194, 0) }
```

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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