

# Converting Colors

XYZ(57.2978, 58.1764, 8.2092)

Have a look what the booklet for  
XYZ(57.2978, 58.1764, 8.2092)  
contains.

<b>XYZ(57.2978, 58.1764, 8.2092)</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(57.2978, 58.1764,  
8.2092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6C200
RGB	246, 194, 0
RGB Percent	96%, 76%, 0%
CMY	0.0353, 0.2392, 0.9999
CMYK	0.00, 0.21, 1.00, 0.04
HSL	47°, 100%, 48%
HSV	47°, 100%, 96%
XYZ	57.2978, 58.1764, 8.2092
YIQ	187.4320, 93.2660, -49.3100

# Conversions

## Conversions Part 2

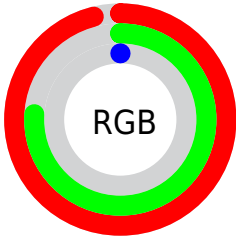
Format	Color
R <sub>Y</sub> B	66, 246, 0
Decimal	16171520
CIE Lab	80.84, 4.98, 82.47
CIE LCh	81, 82.619, 86.544
Yxy	58.1764, 0.4633, 0.4704
Android (android.graphics.Color)	4294361600 (0xFFFF6C200)
YUV	187.4320, -92.4040, 51.3641
Hunter-Lab	76.2735, 0.6134, 47.0101

# Details

The XYZ color **57.2978, 58.1764, 8.2092** 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 **17.8632, 9.1110, 88.0051**, and the grayscale version is **47.9505, 50.4477, 54.9375**.

A 20% lighter version of the original color is **77.0258, 90.2713, 21.7519**, and **29.2920, 29.2401, 4.1000** is the 20% darker color. If you saturate the color by 10%, you get **57.2980, 58.1773, 8.2094**, and if you desaturate by 10%, it is **58.6481, 60.6031, 9.5049**.

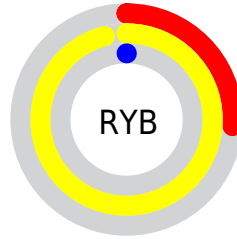
# Distribution



Red (96%)

Green (76%)

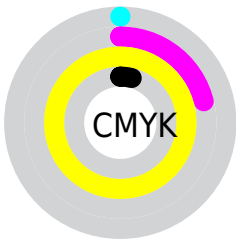
Blue (0%)



Red (26%)

Yellow (96%)

Blue (0%)

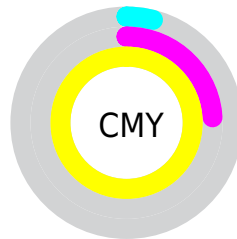


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (24%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.2978, 58.1764, 8.2092 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 57.2978, 58.1764, 8.2092 by changing the saturation by 10% instead.



57.2978, 58.1764,  
8.2092

57.2978, 58.1764,  
8.2092

404.5604,  
417.8429, 187.3592

41.4855, 41.9505,  
4.1394

100.0284,  
102.1797, 22.9205

28.8879, 29.0625,  
1.7021

127.6774,  
130.7259, 34.3990

19.1399, 19.1281,  
0.3622

160.0027,  
164.1476, 49.1842

11.8760, 11.7629,  
0.0000

197.3696,  
202.8292, 67.6946

6.7309, 6.5824,  
0.0000

240.1435,  
247.1551, 90.3488

3.3392, 3.2024,  
0.0000

288.6896,

1.3356, 1.2383,

297.5098, 117.5653

0.0000

343.3735,  
354.2776, 149.7626

■ 0.2096, 0.0926,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.2978, 58.1764,  
8.2092

■ 57.2978, 58.1764,  
8.2092

■ 57.2980, 58.1773,  
8.2094

■ 58.6481, 60.6031,  
9.5049

■ 60.2543, 63.1953,  
11.9524

■ 62.1851, 65.9834,  
15.9054

■ 64.4811, 68.9843,  
21.5764

■ 67.1766, 72.2123,  
29.1433

■ 70.3016, 75.6800,  
38.7620

■ 73.8827, 79.3987,  
50.5720

■ 77.9447, 83.3788,  
64.7008

■ 82.5101, 87.6300,  
81.2657

# Harmonies

## Analogous

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



75.4436, 58.1764, 12.8216



57.2978, 58.1764, 8.2092



41.8811, 58.1764, 10.9652

# Triad

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



57.2978, 58.1764, 8.2092



30.8155, 58.1764, 115.3465



87.4625, 58.1764, 130.6144

# Complementary

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



57.2978, 58.1764, 8.2092



17.8632, 9.1110, 88.0051

# 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.



71.3047, 58.1764, 190.2038



57.2978, 58.1764, 8.2092



39.0968, 58.1764, 178.6486

# Square

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



57.2978, 58.1764, 8.2092



28.5689, 58.1764, 57.8434



53.3393, 58.1764, 211.2081



94.9722, 58.1764, 69.1832



# Rectangle

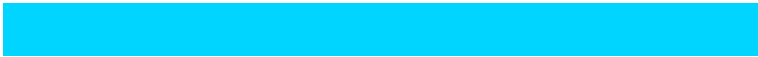
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.2978, 58.1764, 8.2092



34.7206, 58.1764, 18.1822



53.3393, 58.1764, 211.2081



82.7187, 58.1764, 152.5325

# Sweetspot

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



57.2991, 58.1793, 8.2103



80.1430, 86.1281, 54.7836



38.6558, 19.8531, 5.2010



16.7896, 18.0630, 10.5047



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.



57.2991, 58.1793, 8.2103



62.1501, 63.0803, 8.9000



50.9292, 75.1767, 11.8269



17.6000, 18.6841, 17.4763



30.6894, 31.2643, 4.4171



2.7699, 2.8930, 0.4124



# Inverse Universe

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



17.8632, 9.1110, 88.0051



19.3645, 9.8490, 95.4882



19.1399, 7.9457, 87.7129



15.8650, 16.4943, 20.8901



9.6158, 5.0254, 47.0012



0.9167, 0.5848, 4.1548



# Previews

## White Background



This preview shows how the XYZ color 57.2978, 58.1764, 8.2092 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 57.2978, 58.1764, 8.2092 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 57.2978, 58.1764, 8.2092**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.2978, 58.1764, 8.2092.



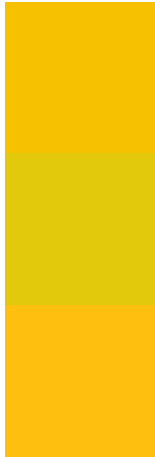
This preview shows how white text looks on a background with the XYZ color 57.2978, 58.1764,



# 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

57.2978, 58.1764, 8.2092

### Protanopia

52.6316, 58.1307, 8.7942

### Deuteranopia

59.5901, 58.3669, 8.5771



## Tritanopia

67.5015, 58.2028, 58.7155

# Trichromacy



## Original Color

57.2978, 58.1764, 8.2092

## Protanomaly

54.1696, 57.8981, 8.5501

## Deuteranomaly

58.6881, 58.2304, 8.4336

## Tritanomaly

61.2789, 57.2433, 26.5582

# Monochromacy



## Original Color

57.2978, 58.1764, 8.2092

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

47.7557, 51.5687, 24.8895

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.2978, 58.1764, 8.2092 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(246, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 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(246, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 194, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 57.2978, 58.1764, 8.2092 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(246, 194, 0) }
```



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

```
.border{ border-color:rgb(246, 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(246, 194, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 194,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.2978, 58.1764, 8.2092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 194, 0) }
```

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

```
.background{ background-color: rgb(246,  
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](#).

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