

Converting Colors

XYZ(57.2208, 58.6601, 3.2546)

Have a look what the booklet for
XYZ(57.2208, 58.6601, 3.2546)
contains.

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Color

**XYZ(58.2265, 58.9867,
8.3167)**

Conversions

Conversions Part 1

Format	Color
Hex	F8C300
RGB	248, 195, 0
RGB Percent	97%, 76%, 0%
CMY	0.0275, 0.2353, 0.9999
CMYK	0.00, 0.21, 1.00, 0.03
HSL	47°, 100%, 49%
HSV	47°, 100%, 97%
XYZ	58.2265, 58.9867, 8.3167
YIQ	188.6170, 94.1830, -49.4090

Conversions

Conversions Part 2

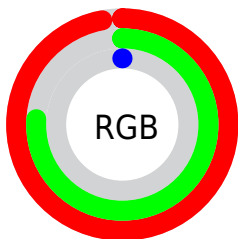
Format	Color
RYB	67, 248, 0
Decimal	16302848
CIELab	81.28, 5.32, 82.87
CIElCh	81, 83.044, 86.326
Yxy	58.9867, 0.4638, 0.4699
Android (android.graphics.Color)	4294492928 (0xFFFF8C300)
YUV	188.6170, -92.9882, 52.0789
Hunter-Lab	76.8028, 0.9213, 47.3417

Details

The XYZ color **58.2265, 58.9867, 8.3167** 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 **18.2172, 9.3249, 89.6459**, and the grayscale version is **48.6304, 51.1630, 55.7165**.

A 20% lighter version of the original color is **77.3769, 90.9102, 22.0636**, and **29.9227, 29.7851, 4.1720** is the 20% darker color. If you saturate the color by 10%, you get **58.2266, 58.9874, 8.3168**, and if you desaturate by 10%, it is **59.6100, 61.4764, 9.6340**.

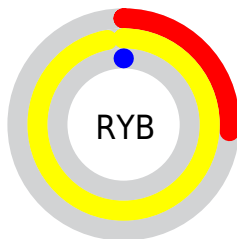
Distribution



Red (97%)

Green (76%)

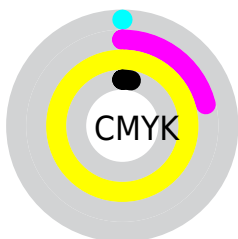
Blue (0%)



Red (26%)

Yellow (97%)

Blue (0%)

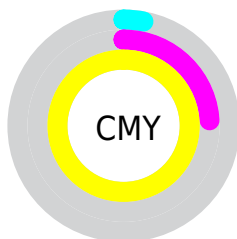


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2265, 58.9867, 8.3167 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 58.2265, 58.9867, 8.3167 by changing the saturation by 10% instead.


 58.2265, 58.9867,
8.3167


 58.2265, 58.9867,
8.3167


407.9697,
420.8526, 188.2218


 42.2347, 42.6024,
4.2076


 101.3737,
103.3583, 23.1333

 29.4771, 29.5733,
1.7399


 129.2598,
132.1145, 34.6779


 19.5881, 19.5149,
0.3879


 161.8415,
165.7633, 49.5381

 12.2025, 12.0429,
0.0000

 199.4840,
204.6894, 68.1325

 6.9549, 6.7729,
0.0000

 242.5527,
249.2769, 90.8794

 3.4800, 3.3205,
0.0000

 291.4130,

 1.4124, 1.3013,

299.9104, 118.1976

0.0000

346.4302,
356.9741, 150.5055

■ 0.2650, 0.1422,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2265, 58.9867,
8.3167

■ 58.2265, 58.9867,
8.3167

■ 58.2266, 58.9874,
8.3168

■ 59.6100, 61.4764,
9.6340

■ 61.2553, 64.1366,
12.1262

■ 63.2323, 66.9982,
16.1526

■ 65.5824, 70.0786,
21.9301

■ 68.3406, 73.3922,
29.6402

■ 71.5374, 76.9521,
39.4421

■ 75.2003, 80.7697,
51.4780

■ 79.3542, 84.8558,
65.8778

■ 84.0224, 89.2202,
82.7615

Harmonies

Analogous

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



76.6361, 58.9867, 13.0552



58.2265, 58.9867, 8.3167



42.5523, 58.9867, 11.0541

Triad

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



58.2265, 58.9867, 8.3167



31.1961, 58.9867, 116.5021



88.6051, 58.9867, 132.9683

Complementary

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



58.2265, 58.9867, 8.3167



18.2172, 9.3249, 89.6459

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.



72.1727, 58.9867, 193.2814



58.2265, 58.9867, 8.3167



39.5501, 58.9867, 180.8189

Square

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



58.2265, 58.9867, 8.3167



28.9608, 58.9867, 58.3061



53.9578, 58.9867, 214.2095



96.3084, 58.9867, 70.5347

Rectangle

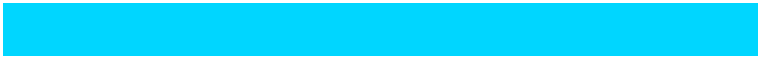
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.2265, 58.9867, 8.3167



35.2590, 58.9867, 18.3066



53.9578, 58.9867, 214.2095



83.7731, 58.9867, 155.1909

Sweetspot

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



58.2278, 58.9896, 8.3178



80.0909, 86.0240, 54.7662



39.3713, 20.2208, 5.2873



16.7770, 18.0379, 10.5005



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.



58.2278, 58.9896, 8.3178



62.0119, 62.8038, 8.8540



51.8675, 76.5684, 12.0461



18.3941, 19.5241, 18.2615



31.5608, 32.0782, 4.5283



2.9987, 3.1223, 0.4446

Inverse Universe

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



18.2172, 9.3249, 89.6459



19.3922, 9.9045, 95.4974



19.4896, 8.0904, 89.3405



16.5836, 17.2441, 21.8397



9.9226, 5.2007, 48.4544



0.9926, 0.6289, 4.5123

Previews

White Background



This preview shows how the XYZ color 58.2265, 58.9867, 8.3167 looks on a white background.

Color Contrast Check

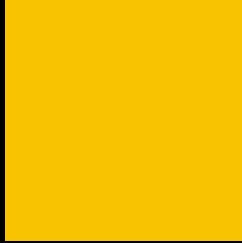
Large Text (above 18pt) WCAG AA × Fail

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 58.2265, 58.9867, 8.3167 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 58.2265, 58.9867, 8.3167

Background



This preview shows how black text looks on a background with the XYZ color 58.2265, 58.9867, 8.3167.



This preview shows how white text looks on a background with the XYZ color 58.2265, 58.9867,

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

58.2265, 58.9867, 8.3167

Protanopia

53.4172, 59.2324, 8.9654

Deuteranopia

60.3503, 59.0636, 9.5861



Tritanopia

68.1373, 59.1125, 60.0432

Trichromacy



Original Color

58.2265, 58.9867, 8.3167

Protanomaly

54.9591, 58.9883, 8.7189

Deuteranomaly

59.3411, 58.8859, 8.9003

Tritanomaly

61.6169, 57.7168, 27.2949

Monochromacy



Original Color

58.2265, 58.9867, 8.3167

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.5993, 52.3193, 25.3065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2265, 58.9867, 8.3167 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(248, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 195, 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(248, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 195, 0) }
```

Border

The CSS property to change the border of an element to XYZ 58.2265, 58.9867, 8.3167 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(248, 195, 0) }
```


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

```
.border{ border-color:rgb(248, 195, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 195, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 195,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2265, 58.9867, 8.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 195, 0) }
```

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

```
.background{ background-color: rgb(248,  
195, 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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