

Converting Colors

XYZ(56.9455, 58.1656, 8.5278)

Have a look what the booklet for
XYZ(56.9455, 58.1656, 8.5278)
contains.

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Color

**XYZ(56.8837, 58.2875,
8.5691)**

Conversions

Conversions Part 1

Format	Color
Hex	F4C30B
RGB	244, 195, 11
RGB Percent	96%, 76%, 4%
CMY	0.0431, 0.2353, 0.9568
CMYK	0.00, 0.20, 0.95, 0.04
HSL	47°, 91%, 50%
HSV	47°, 95%, 96%
XYZ	56.8837, 58.2875, 8.5691
YIQ	188.6750, 88.2680, -46.8360

Conversions

Conversions Part 2

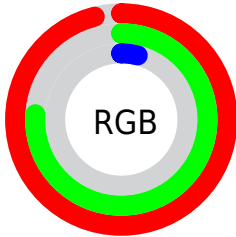
Format	Color
R _Y B	73, 244, 11
Decimal	16040715
CIE Lab	80.90, 3.69, 81.36
CIE LCh	81, 81.442, 87.400
Yxy	58.2875, 0.4597, 0.4710
Android (android.graphics.Color)	4294230795 (0xFFFF4C30B)
YUV	188.6750, -87.5938, 48.5200
Hunter-Lab	76.3463, -0.6100, 46.7877

Details

The XYZ color **56.8837, 58.2875, 8.5691** 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 **18.0838, 9.8359, 86.5325**, and the grayscale version is **48.6360, 51.1689, 55.7229**.

A 20% lighter version of the original color is **77.4575, 90.9425, 22.4880**, and **29.2014, 29.4133, 4.1382** is the 20% darker color. If you saturate the color by 10%, you get **56.3092, 57.2356, 8.0798**, and if you desaturate by 10%, it is **58.3037, 60.7292, 10.2720**.

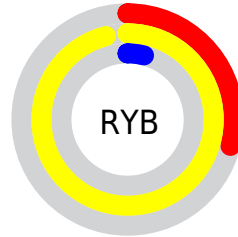
Distribution



Red (96%)

Green (76%)

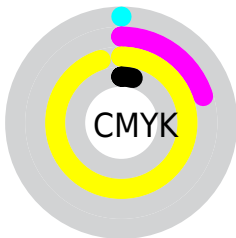
Blue (4%)



Red (29%)

Yellow (96%)

Blue (4%)

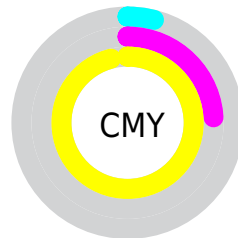


Cyan (0%)

Magenta (20%)

Yellow (95%)

Black (4%)



Cyan (4%)


Magenta (24%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8837, 58.2875, 8.5691 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 56.8837, 58.2875, 8.5691 by changing the saturation by 10% instead.


 56.8837, 58.2875,
8.5691

 56.8837, 58.2875,
8.5691


403.0346,
418.2564, 190.2282


 41.1516, 42.0398,
4.3683


 99.4278, 102.3414,
23.6311

 28.6258, 29.1325,
1.8295


 126.9706,
130.9164, 35.3293

 18.9408, 19.1811,
0.4473

 159.1810,
164.3694, 50.3638

 11.7312, 11.8012,
0.0000

 196.4243,
203.0846, 69.1530

 6.6318, 6.6084,
0.0000

 239.0660,
247.4465, 92.1155

 3.2772, 3.2185,
0.0000

 287.4714,

 1.3020, 1.2468,

297.8395, 119.6699

0.0000

342.0058,
354.6480, 152.2346

■ 0.1847, 0.0995,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8837, 58.2875,
8.5691

■ 56.8837, 58.2875,
8.5691

■ 56.3092, 57.2356,
8.0798

■ 58.3037, 60.7292,
10.2720

■ 60.0144, 63.3486,
13.3145

■ 62.0621, 66.1672,
17.9333

■ 64.4835, 69.2004,
24.3194

■ 67.3101, 72.4613,
32.6363

■ 70.5696, 75.9615,
43.0292

■ 74.2872, 79.7119,
55.6289

■ 78.4863, 83.7221,
70.5558

■ 83.1882, 88.0014,
87.9213

Harmonies

Analogous

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



74.7597, 58.2875, 12.9893



56.8837, 58.2875, 8.5691



41.7846, 58.2875, 11.5813

Triad

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



56.8837, 58.2875, 8.5691



31.3216, 58.2875, 116.4773



87.4335, 58.2875, 127.7544

Complementary

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



56.8837, 58.2875, 8.5691



18.0838, 9.8359, 86.5325

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.



71.6931, 58.2875, 186.6757



56.8837, 58.2875, 8.5691



39.7100, 58.2875, 178.1649

Square

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



56.8837, 58.2875, 8.5691



28.9226, 58.2875, 59.3472



53.9433, 58.2875, 208.6661



94.4912, 58.2875, 67.7693

Rectangle

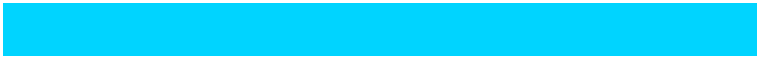
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.8837, 58.2875, 8.5691



34.8052, 58.2875, 19.0909



53.9433, 58.2875, 208.6661



82.8440, 58.2875, 149.2990

Sweetspot

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



56.8850, 58.2904, 8.5702



80.5838, 86.5947, 56.2102



38.2836, 19.8150, 6.2926



16.8757, 18.1573, 10.7736



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.



56.8850, 58.2904, 8.5702



62.2146, 63.2093, 8.9215



50.7683, 74.1885, 11.9613



17.6016, 18.6873, 17.4769



30.7207, 31.3270, 4.4276



2.7724, 2.8980, 0.4132

Inverse Universe

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



18.0838, 9.8359, 86.5325



19.3517, 9.8234, 95.4839



19.5120, 8.3505, 86.1705



15.8635, 16.4913, 20.8896



9.6092, 5.0121, 46.9990



0.9159, 0.5832, 4.1545

Previews

White Background



This preview shows how the XYZ color 56.8837, 58.2875, 8.5691 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 56.8837, 58.2875, 8.5691 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 56.8837, 58.2875, 8.5691

Background



This preview shows how black text looks on a background with the XYZ color 56.8837, 58.2875, 8.5691.



This preview shows how white text looks on a background with the XYZ color 56.8837, 58.2875,

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

56.8837, 58.2875, 8.5691

Protanopia

52.8853, 58.6064, 8.9768

Deuteranopia

59.6214, 58.3795, 8.7421



Tritanopia

67.2473, 58.0587, 59.2919

Trichromacy



Original Color

56.8837, 58.2875, 8.5691

Protanomaly

54.1070, 58.2022, 8.7979

Deuteranomaly

58.3675, 58.0607, 8.6207

Tritanomaly

60.8795, 57.0003, 28.2155

Monochromacy



Original Color

56.8837, 58.2875, 8.5691

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.5634, 52.2721, 26.5988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8837, 58.2875, 8.5691 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(244, 195, 11)` looks like.

```
.text, #text, p{  
    color:rgb(244, 195, 11)  
}
```

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(244, 195, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 195, 11) }
```

Border

The CSS property to change the border of an element to XYZ 56.8837, 58.2875, 8.5691 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(244, 195, 11) }
```


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

```
.border{ border-color:rgb(244, 195, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 195, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 195, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 195, 11);  
box-shadow:4px 4px 4px 4px rgb(244, 195,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8837, 58.2875, 8.5691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 195, 11) }
```

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

```
.background{ background-color: rgb(244,  
195, 11) }
```

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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