

Converting Colors

XYZ(56.6832, 58.8724, 8.8277)

Have a look what the booklet for
XYZ(56.6832, 58.8724, 8.8277)
contains.

XYZ(56.6704, 58.8442, 8.8232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.6704, 58.8442,
8.8232)**

Conversions

Conversions Part 1

Format	Color
Hex	F2C50F
RGB	242, 197, 15
RGB Percent	95%, 77%, 6%
CMY	0.0510, 0.2274, 0.9411
CMYK	0.00, 0.19, 0.94, 0.05
HSL	48°, 90%, 50%
HSV	48°, 94%, 95%
XYZ	56.6704, 58.8442, 8.8232
YIQ	189.7070, 85.2420, -47.0620

Conversions

Conversions Part 2

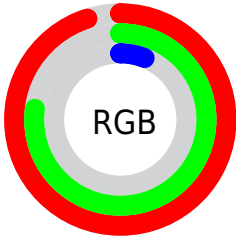
Format	Color
R_{YB}	71, 242, 15
Decimal	15910159
CIE _{Lab}	81.21, 1.84, 81.05
CIE _{LCh}	81, 81.070, 88.698
Yxy	58.8442, 0.4558, 0.4733
Android (android.graphics.Color)	4294100239 (0xFFFF2C50F)
YUV	189.7070, -86.1306, 45.8610
Hunter-Lab	76.7100, -2.3735, 46.8774

Details

The XYZ color **56.6704, 58.8442, 8.8232** 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 **17.8407, 9.7454, 84.9444**, and the grayscale version is **49.2230, 51.7864, 56.3954**.

A 20% lighter version of the original color is **78.1685, 92.2318, 23.1338**, and **29.0293, 29.7703, 4.2162** is the 20% darker color. If you saturate the color by 10%, you get **55.9160, 57.4737, 8.1465**, and if you desaturate by 10%, it is **58.0619, 61.1739, 10.6861**.

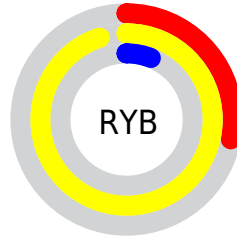
Distribution



Red (95%)

Green (77%)

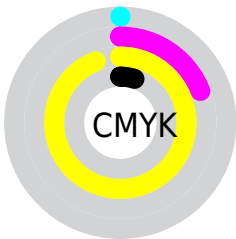
Blue (6%)



Red (28%)

Yellow (95%)

Blue (6%)

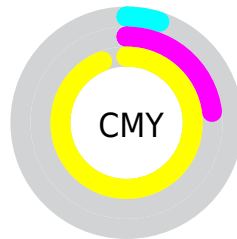


Cyan (0%)

Magenta (19%)

Yellow (94%)

Black (5%)



Cyan (5%)


Magenta (23%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.6704, 58.8442, 8.8232 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 56.6704, 58.8442, 8.8232 by changing the saturation by 10% instead.


 56.6704, 58.8442,
8.8232


 56.6704, 58.8442,
8.8232


402.2473,
420.3243, 192.2227


 40.9798, 42.4877,
4.5308


 99.1182, 103.1512,
24.1294

 28.4909, 29.4834,
1.9208


 126.6062,
131.8705, 35.9803


 18.8384, 19.4468,
0.5059

 158.7572,
165.4795, 51.1878

 11.6569, 11.9936,
0.0000

 195.9368,
204.3626, 70.1703

 6.5810, 6.7393,
0.0000

 238.5103,
248.9043, 93.3466

 3.2455, 3.2996,
0.0000

 286.8429,

 1.2849, 1.2901,

299.4889, 121.1350

0.0000

341.3001,
356.5007, 153.9542

■ 0.1718, 0.1335,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.6704, 58.8442,
8.8232

■ 56.6704, 58.8442,
8.8232

■ 55.9160, 57.4737,
8.1465

■ 58.0619, 61.1739,
10.6861

■ 59.7427, 63.6729,
13.9056

■ 61.7564, 66.3616,
18.7041

■ 64.1379, 69.2543,
25.2633

■ 66.9171, 72.3635,
33.7401

■ 70.1208, 75.7005,
44.2739

■ 73.7733, 79.2753,
56.9911

■ 77.8969, 83.0974,
72.0079

■ 82.5125, 87.1756,
89.4324

Harmonies

Analogous

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



74.5493, 58.8442, 12.9384



56.6704, 58.8442, 8.8232



41.7435, 58.8442, 12.2249

Triad

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



56.6704, 58.8442, 8.8232



32.0121, 58.8442, 119.8933



88.5083, 58.8442, 125.5349

Complementary

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



56.6704, 58.8442, 8.8232



17.8407, 9.7454, 84.9444

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.



73.0128, 58.8442, 185.1275



56.6704, 58.8442, 8.8232



40.7012, 58.8442, 180.8756

Square

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



56.6704, 58.8442, 8.8232



29.3463, 58.8442, 61.9823



55.1954, 58.8442, 209.2247



95.0699, 58.8442, 66.2068

Rectangle

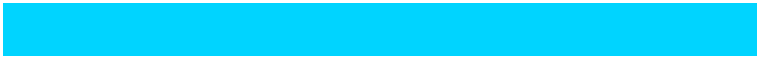
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.6704, 58.8442, 8.8232



34.9136, 58.8442, 20.2111



55.1954, 58.8442, 209.2247



84.0361, 58.8442, 147.1173

Sweetspot

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



56.6717, 58.8471, 8.8243



81.2598, 87.5239, 57.7388



37.6154, 19.5499, 6.1237



17.0189, 18.3645, 11.0660



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.



56.6717, 58.8471, 8.8243



62.9408, 64.6615, 9.1636



49.2726, 72.5260, 11.8546



16.8412, 17.8956, 16.7163



30.1373, 31.0727, 4.4092



2.5741, 2.7189, 0.3891

Inverse Universe

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



17.8407, 9.7454, 84.9444



19.2141, 9.5482, 95.4380



19.7752, 8.5971, 84.6208



15.1509, 15.7360, 19.9604



9.2527, 4.7297, 45.5531



0.8373, 0.5286, 3.8121

Previews

White Background



This preview shows how the XYZ color 56.6704, 58.8442, 8.8232 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 56.6704, 58.8442, 8.8232 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 56.6704, 58.8442, 8.8232

Background



This preview shows how black text looks on a background with the XYZ color 56.6704, 58.8442, 8.8232.



This preview shows how white text looks on a background with the XYZ color 56.6704, 58.8442,

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

56.6704, 58.8442, 8.8232

Protanopia

53.2246, 58.7787, 9.1125

Deuteranopia

60.0573, 58.5962, 9.1221



Tritanopia

67.1564, 58.5936, 60.5935

Trichromacy



Original Color

56.6704, 58.8442, 8.8232

Protanomaly

54.3597, 58.6727, 8.9902

Deuteranomaly

58.6391, 58.5218, 8.9643

Tritanomaly

60.7914, 57.5616, 29.3792

Monochromacy



Original Color

56.6704, 58.8442, 8.8232

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.1304, 53.2016, 27.4182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6704, 58.8442, 8.8232 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(242, 197, 15)` looks like.

```
.text, #text, p{  
    color:rgb(242, 197, 15)  
}
```

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(242, 197, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 197, 15) }
```

Border

The CSS property to change the border of an element to XYZ 56.6704, 58.8442, 8.8232 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(242, 197, 15) }
```


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

```
.border{ border-color:rgb(242, 197, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 197, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 197, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 197, 15);  
box-shadow:4px 4px 4px 4px rgb(242, 197,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6704, 58.8442, 8.8232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 197, 15) }
```

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

```
.background{ background-color: rgb(242,  
197, 15) }
```

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