

Converting Colors

XYZ(58.8853, 56.2721, 8.6702)

Have a look what the booklet for
XYZ(58.8853, 56.2721, 8.6702)
contains.

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Color

**XYZ(58.9744, 56.4480,
8.7070)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBA19
RGB	255, 186, 25
RGB Percent	100%, 73%, 10%
CMY	0.0000, 0.2706, 0.9019
CMYK	0.00, 0.27, 0.90, 0.00
HSL	42°, 100%, 55%
HSV	42°, 90%, 100%
XYZ	58.9744, 56.4480, 8.7070
YIQ	188.2770, 92.8050, -35.4430

Conversions

Conversions Part 2

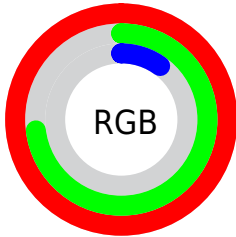
Format	Color
RYB	124, 255, 25
Decimal	16759321
CIELab	79.87, 13.24, 79.12
CIELCh	80, 80.224, 80.504
Yxy	56.4480, 0.4751, 0.4548
Android (android.graphics.Color)	4294949401 (0xFFFFBA19)
YUV	188.2770, -80.4956, 58.5161
Hunter-Lab	75.1319, 8.6319, 45.7212

Details

The XYZ color **58.9744, 56.4480, 8.7070** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **22.4540, 15.4327, 96.4024**, and the grayscale version is **48.3664, 50.8852, 55.4140**.

A 20% lighter version of the original color is **74.9239, 85.5370, 22.6866**, and **30.3798, 28.1125, 3.8251** is the 20% darker color. If you saturate the color by 10%, you get **57.2606, 53.3016, 7.2703**, and if you desaturate by 10%, it is **61.0419, 59.9254, 11.4252**.

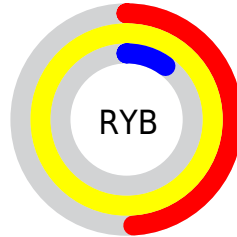
Distribution



Red (100%)

Green (73%)

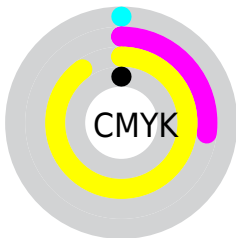
Blue (10%)



Red (49%)

Yellow (100%)

Blue (10%)

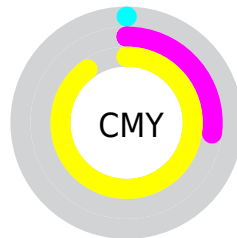


Cyan (0%)

Magenta (27%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (27%)

Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9744, 56.4480, 8.7070 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 58.9744, 56.4480, 8.7070 by changing the saturation by 10% instead.


 58.9744, 56.4480,
8.7070


 58.9744, 56.4480,
8.7070


410.7026,
411.3777, 191.3137


 42.8388, 40.5622,
4.4564


 102.4553, 99.6593,
23.9019


 29.9526, 27.9772,
1.8789


 130.5313,
127.7536, 35.6832

 19.9505, 18.3085,
0.4793


 163.3182,
160.6862, 50.8119

 12.4671, 11.1717,
0.0000

 201.1812,
198.8415, 69.7064

 7.1371, 6.1824,
0.0000

 244.4858,
242.6039, 92.7852

 3.5951, 2.9563,
0.0000

 293.5974,

 1.4757, 1.1090,

292.3578, 120.4671

0.0000

348.8812,
348.4876, 153.1704

■ 0.3092, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9744, 56.4480,
8.7070

■ 58.9744, 56.4480,
8.7070

■ 57.2606, 53.3016,
7.2703

■ 61.0419, 59.9254,
11.4252

■ 63.5026, 63.6979,
15.7874

■ 66.4033, 67.7886,
22.0282

■ 69.7823, 72.2147,
30.3432

73.6732, 76.9918,
40.9034

78.1062, 82.1338,
53.8618

83.1089, 87.6536,
69.3579

88.7069, 93.5633,
87.5205

94.9239, 99.8743,
108.4696

Harmonies

Analogous

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



76.0819, 56.4480, 15.0393



58.9744, 56.4480, 8.7070



43.4342, 56.4480, 9.9711

Triad

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



58.9744, 56.4480, 8.7070



29.3832, 56.4480, 98.4399



81.5582, 56.4480, 137.7609

Complementary

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



58.9744, 56.4480, 8.7070



22.4540, 15.4327, 96.4024

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.



65.3586, 56.4480, 189.1662



58.9744, 56.4480, 8.7070



36.1305, 56.4480, 159.6143

Square

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



58.9744, 56.4480, 8.7070



28.3569, 56.4480, 47.8484



48.6601, 56.4480, 198.7239



90.7502, 56.4480, 77.4407

Rectangle

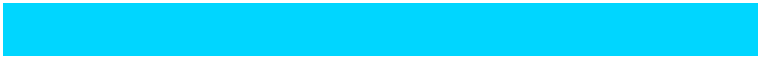
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.9744, 56.4480, 8.7070



35.8081, 56.4480, 15.4386



48.6601, 56.4480, 198.7239



76.6146, 56.4480, 157.7105

Sweetspot

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



58.9757, 56.4508, 8.7081



79.6404, 83.8546, 58.5261



43.6083, 22.7639, 12.6869



16.6956, 17.5548, 11.4611



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.



58.9757, 56.4508, 8.7081



57.2610, 53.3020, 7.2703



62.2303, 85.1452, 14.0751



19.0742, 20.1166, 19.0219



30.0571, 28.1254, 3.8446



3.0223, 2.9300, 0.4063

Inverse Universe

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



22.4540, 15.4327, 96.4024



20.6687, 12.4574, 95.9229



20.9969, 9.2556, 95.2869



17.4472, 18.2659, 22.8561



10.9131, 6.7357, 50.1595



1.1533, 0.8373, 4.9141

Previews

White Background



This preview shows how the XYZ color 58.9744, 56.4480, 8.7070 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 58.9744, 56.4480, 8.7070 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 58.9744, 56.4480, 8.7070

Background



This preview shows how black text looks on a background with the XYZ color 58.9744, 56.4480, 8.7070.



This preview shows how white text looks on a background with the XYZ color 58.9744, 56.4480,

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

58.9744, 56.4480, 8.7070

Protanopia

51.0766, 56.6235, 9.3998

Deuteranopia

57.9215, 56.5375, 8.6707



Tritanopia

66.0392, 56.3351, 54.9701

Trichromacy



Original Color

58.9744, 56.4480, 8.7070

Protanomaly

53.7623, 56.3296, 9.1377

Deuteranomaly

58.0801, 56.3020, 8.6704

Tritanomaly

61.5237, 55.4875, 28.2364

Monochromacy



Original Color

58.9744, 56.4480, 8.7070

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.8841, 51.1227, 28.0601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9744, 56.4480, 8.7070 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(255, 186, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 25)  
}
```

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(255, 186, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 25) }
```

Border

The CSS property to change the border of an element to XYZ 58.9744, 56.4480, 8.7070 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(255, 186, 25) }
```


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

```
.border{ border-color:rgb(255, 186, 25) }
```

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

Here you see how a box with a 4 pixel rgb(255, 186, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9744, 56.4480, 8.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 25) }
```

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

```
.background{ background-color: rgb(255,  
186, 25) }
```

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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