

Converting Colors

XYZ(58.7472, 56.2744, 7.7657)

Have a look what the booklet for
XYZ(58.7472, 56.2744, 7.7657)
contains.

XYZ(58.7989, 56.3778, 7.7830)	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(58.7989, 56.3778,
7.7830)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBA00
RGB	255, 186, 0
RGB Percent	100%, 73%, 0%
CMY	0.0000, 0.2706, 0.9999
CMYK	0.00, 0.27, 1.00, 0.00
HSL	44°, 100%, 50%
HSV	44°, 100%, 100%
XYZ	58.7989, 56.3778, 7.7830
YIQ	185.4270, 100.8300, -43.2180

Conversions

Conversions Part 2

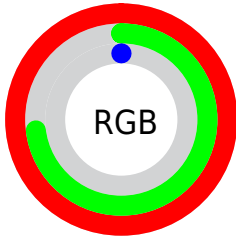
Format	Color
R _Y B	95, 255, 0
Decimal	16759296
CIE Lab	79.83, 12.98, 82.22
CIE LCh	80, 83.237, 81.026
Yxy	56.3778, 0.4782, 0.4585
Android (android.graphics.Color)	4294949376 (0xFFFFBA00)
YUV	185.4270, -91.4155, 61.0155
Hunter-Lab	75.0852, 8.3837, 46.4139

Details

The XYZ color **58.7989, 56.3778, 7.7830** is a dark color, and the websafe version is hex **FFCC00**, and the color name is **selective yellow**. The color can be described as middle saturated orange. A complement of this color would be **20.1791, 11.4780, 95.7589**, and the grayscale version is **46.8095, 49.2473, 53.6303**.

A 20% lighter version of the original color is **74.5535, 85.3888, 20.7359**, and **30.1258, 27.9815, 3.8132** is the 20% darker color. If you saturate the color by 10%, you get **58.7988, 56.3781, 7.7830**, and if you desaturate by 10%, it is **60.4702, 59.4310, 9.2337**.

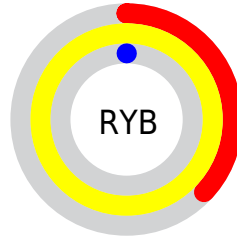
Distribution



Red (100%)

Green (73%)

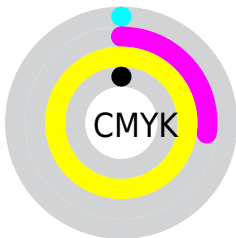
Blue (0%)



Red (37%)

Yellow (100%)

Blue (0%)

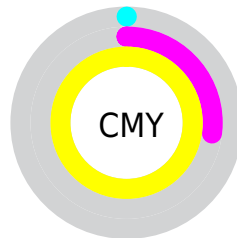


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7989, 56.3778, 7.7830 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 58.7989, 56.3778, 7.7830 by changing the saturation by 10% instead.


 58.7989, 56.3778,
7.7830


 58.7989, 56.3778,
7.7830


410.0623,
411.1137, 183.8905

 42.6970, 40.5059,
3.8706


 102.2016, 99.5567,
22.0710

 29.8409, 27.9332,
1.5546


 130.2332,
127.6326, 33.2838

 19.8654, 18.2753,
0.2581


 162.9720,
160.5452, 47.7671

 12.4049, 11.1478,
0.0000

 200.7834,
198.6790, 65.9394

 7.0942, 6.1664,
0.0000

 244.0328,
242.4183, 88.2194

 3.5680, 2.9465,
0.0000

 293.0855,

 1.4607, 1.1039,

292.1477, 115.0256

0.0000

348.3069,
348.2513, 146.7764

■ 0.2989, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7989, 56.3778,
7.7830

■ 58.7989, 56.3778,
7.7830

■ 58.7988, 56.3781,
7.7830

■ 60.4702, 59.4310,
9.2337

■ 62.4472, 62.7180,
11.9489

■ 64.8041, 66.2724,
16.3092

■ 67.5860, 70.1136,
22.5470

70.8307, 74.2582,
30.8573

74.5714, 78.7208,
41.4104

78.8379, 83.5149,
54.3591

83.6574, 88.6527,
69.8424

89.0551, 94.1456,
87.9888

Harmonies

Analogous

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



76.6524, 56.3778, 13.8195



58.7989, 56.3778, 7.7830



42.7823, 56.3778, 9.1261

Triad

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



58.7989, 56.3778, 7.7830



28.6784, 56.3778, 101.0538



82.9223, 56.3778, 140.1826

Complementary

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



58.7989, 56.3778, 7.7830



20.1791, 11.4780, 95.7589

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.



66.0694, 56.3778, 195.0924



58.7989, 56.3778, 7.7830



35.6835, 56.3778, 165.4528

Square

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



58.7989, 56.3778, 7.7830



27.5335, 56.3778, 48.0218



48.6896, 56.3778, 206.1955



92.3760, 56.3778, 77.0242

Rectangle

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



58.7989, 56.3778, 7.7830



35.0098, 56.3778, 14.6253



48.6896, 56.3778, 206.1955



77.7866, 56.3778, 161.3494

Sweetspot

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



58.8002, 56.3806, 7.7841



78.8347, 83.5114, 54.3475



42.4183, 21.7316, 8.1353



16.4748, 17.4334, 10.3997



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.



58.8002, 56.3806, 7.7841



58.7993, 56.3786, 7.7831



59.5136, 83.7650, 13.0322



19.1211, 20.2104, 19.0375



30.8542, 29.7196, 4.1103



3.0948, 3.0749, 0.4304

Inverse Universe

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



20.1791, 11.4780, 95.7589



20.1780, 11.4760, 95.7593



19.6403, 8.0402, 95.1237



17.4028, 18.1773, 22.8413



10.6483, 6.2062, 50.0713



1.1227, 0.7760, 4.9039

Previews

White Background



This preview shows how the XYZ color 58.7989, 56.3778, 7.7830 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 58.7989, 56.3778, 7.7830 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 58.7989, 56.3778, 7.7830

Background



This preview shows how black text looks on a background with the XYZ color 58.7989, 56.3778, 7.7830.



This preview shows how white text looks on a background with the XYZ color 58.7989, 56.3778,

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

58.7989, 56.3778, 7.7830

Protanopia

51.2501, 56.7286, 8.7005

Deuteranopia

57.7669, 56.4757, 7.8563



Tritanopia

66.0392, 56.3351, 54.9701

Trichromacy



Original Color

58.7989, 56.3778, 7.7830

Protanomaly

53.6075, 56.2677, 8.3225

Deuteranomaly

57.9152, 56.2361, 7.8022

Tritanomaly

60.9514, 55.2586, 25.2228

Monochromacy



Original Color

58.7989, 56.3778, 7.7830

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.1973, 49.7076, 24.2465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7989, 56.3778, 7.7830 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 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(255, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 0) }
```

Border

The CSS property to change the border of an element to XYZ 58.7989, 56.3778, 7.7830 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, 0) }
```


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

```
.border{ border-color:rgb(255, 186, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7989, 56.3778, 7.7830 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, 0) }
```

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

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