

# Converting Colors

XYZ(58.3173, 55.0887, 8.6273)

Have a look what the booklet for  
XYZ(58.3173, 55.0887, 8.6273)  
contains.

<b>XYZ(58.3831, 55.2108, 8.6782)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(58.3831, 55.2108,  
8.6782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB71C
RGB	255, 183, 28
RGB Percent	100%, 72%, 11%
CMY	0.0000, 0.2823, 0.8902
CMYK	0.00, 0.28, 0.89, 0.00
HSL	41°, 100%, 55%
HSV	41°, 89%, 100%
XYZ	58.3831, 55.2108, 8.6782
YIQ	186.8580, 92.6670, -32.9410

# Conversions

## Conversions Part 2

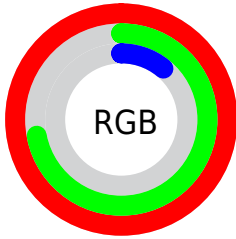
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 255, 28
Decimal	16758556
CIE <sub>Lab</sub>	79.16, 14.85, 78.00
CIE <sub>LCh</sub>	79, 79.403, 79.224
Yxy	55.2108, 0.4775, 0.4515
Android (android.graphics.Color)	4294948636 (0xFFFFB71C)
YUV	186.8580, -78.3170, 59.7605
Hunter-Lab	74.3040, 10.2214, 45.0881

# Details

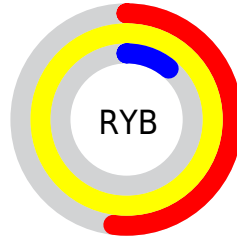
The XYZ color **58.3831, 55.2108, 8.6782** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **23.0862, 16.5814, 96.5908**, and the grayscale version is **47.5470, 50.0231, 54.4752**.

A 20% lighter version of the original color is **74.0823, 83.7833, 22.6232**, and **29.9750, 27.3027, 3.6901** is the 20% darker color. If you saturate the color by 10%, you get **56.5677, 51.8939, 7.1071**, and if you desaturate by 10%, it is **60.5455, 58.8244, 11.5930**.

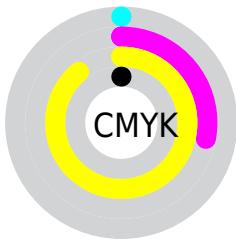
# Distribution



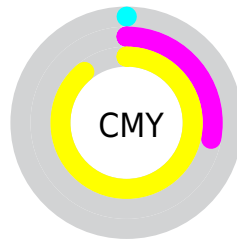
- Red (100%)
- Green (72%)
- Blue (11%)



- Red (52%)
- Yellow (100%)
- Blue (11%)



- Cyan (0%)
- Magenta (28%)
- Yellow (89%)
- Black (0%)




- Cyan (0%)
- Magenta (28%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3831, 55.2108, 8.6782 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 58.3831, 55.2108, 8.6782 by changing the saturation by 10% instead.





 58.3831, 55.2108,  
8.6782


 58.3831, 55.2108,  
8.6782


408.5428,  
406.7105, 191.0876


 42.3612, 39.5705,  
4.4380


 101.6003, 97.8497,  
23.8454

 29.5765, 27.2038,  
1.8685


 129.5263,  
125.6172, 35.6094

 19.6639, 17.7264,  
0.4726


 162.1510,  
158.1958, 50.7185

 12.2578, 10.7537,  
0.0000

 199.8398,  
195.9700, 69.5910

 6.9929, 5.9015,  
0.0000

 242.9580,  
239.3242, 92.6457

 3.5040, 2.7853,  
0.0000

 291.8710,

 1.4255, 1.0207,

288.6427, 120.3010

0.0000

346.9442,  
344.3100, 152.9755

■ 0.2743, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.3831, 55.2108,  
8.6782

■ 58.3831, 55.2108,  
8.6782

■ 56.5677, 51.8939,  
7.1071

■ 60.5455, 58.8244,  
11.5930

■ 56.3997, 51.5798,  
6.9833

■ 63.1166, 62.7552,  
16.1851

■ 66.1425, 67.0261,  
22.6837

■ 69.6610, 71.6547,  
31.2812

■ 73.7055, 76.6568,  
42.1461

■ 78.3061, 82.0466,  
55.4298

■ 83.4904, 87.8373,  
71.2705

■ 89.2838, 94.0414,  
89.7959

95.0497, 99.9998,  
108.9000

# Harmonies

## Analogous

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



75.0022, 55.2108, 15.2851



58.3831, 55.2108, 8.6782



43.0681, 55.2108, 9.6264

# Triad

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



58.3831, 55.2108, 8.6782



28.6397, 55.2108, 93.6742



79.1022, 55.2108, 137.0326

# Complementary

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



58.3831, 55.2108, 8.6782



23.0862, 16.5814, 96.5908

# 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.



63.1634, 55.2108, 185.9227



58.3831, 55.2108, 8.6782



34.9830, 55.2108, 153.3883

# Square

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



58.3831, 55.2108, 8.6782



27.8708, 55.2108, 45.2282



46.9818, 55.2108, 193.0756



88.4678, 55.2108, 77.9555



# Rectangle

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



58.3831, 55.2108, 8.6782



35.4681, 55.2108, 14.6830



46.9818, 55.2108, 193.0756



74.2023, 55.2108, 156.2450

# Sweetspot

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



58.3843, 55.2136, 8.6792



79.3041, 83.1820, 58.4140



44.1372, 23.0836, 15.1388



16.6158, 17.3951, 11.4345



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.



58.3843, 55.2136, 8.6792



56.4001, 51.5802, 6.9834



64.6345, 86.3808, 14.3657



19.0469, 20.0619, 19.0128



29.6106, 27.2324, 3.6957



2.9814, 2.8483, 0.3926



# Inverse Universe

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



23.0862, 16.5814, 96.5908



20.9832, 13.0864, 96.0277



20.7014, 9.2036, 95.2924



17.4731, 18.3179, 22.8647



11.0820, 7.0736, 50.2158



1.1723, 0.8754, 4.9205



# Previews

## White Background



This preview shows how the XYZ color 58.3831, 55.2108, 8.6782 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 58.3831, 55.2108, 8.6782 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 58.3831, 55.2108, 8.6782**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3831, 55.2108, 8.6782.



This preview shows how white text looks on a background with the XYZ color 58.3831, 55.2108,



# 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

58.3831, 55.2108, 8.6782

### Protanopia

50.0458, 55.4089, 9.4238

### Deuteranopia

56.4458, 55.1445, 8.5886



## Tritanopia

65.1330, 55.0349, 53.0889

# Trichromacy



## Original Color

58.3831, 55.2108, 8.6782

## Protanomaly

52.7012, 55.1218, 9.1582

## Deuteranomaly

57.3191, 55.2817, 8.6267

## Tritanomaly

60.8584, 54.2628, 27.6883

# Monochromacy



## Original Color

58.3831, 55.2108, 8.6782

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

48.6727, 50.6998, 27.9896

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3831, 55.2108, 8.6782 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, 183, 28)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 28)  
}
```

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, 183, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 28) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3831, 55.2108, 8.6782 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, 183, 28) }
```



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

```
.border{ border-color:rgb(255, 183, 28) }
```

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

Here you see how a box with a 4 pixel rgb(255, 183, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 28);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
28) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3831, 55.2108, 8.6782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 28) }
```

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

```
.background{ background-color: rgb(255,  
183, 28) }
```

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