

# Converting Colors

XYZ(57.7633, 54.3070, 7.4378)

Have a look what the booklet for  
XYZ(57.7633, 54.3070, 7.4378)  
contains.

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# **Color**

**XYZ(57.7639, 54.3077,  
7.4380)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFB500
RGB	255, 181, 0
RGB Percent	100%, 71%, 0%
CMY	0.0000, 0.2902, 0.9999
CMYK	0.00, 0.29, 1.00, 0.00
HSL	43°, 100%, 50%
HSV	43°, 100%, 100%
XYZ	57.7639, 54.3077, 7.4380
YIQ	182.4920, 102.2050, -40.6030

# Conversions

## Conversions Part 2

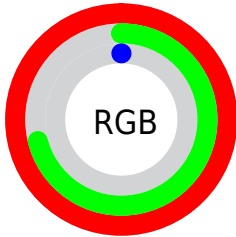
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 255, 0
Decimal	16758016
CIE <sub>Lab</sub>	78.64, 15.59, 81.42
CIE <sub>LCh</sub>	79, 82.895, 79.162
Yxy	54.3077, 0.4833, 0.4544
Android (android.graphics.Color)	4294948096 (0xFFFFB500)
YUV	182.4920, -89.9686, 63.5895
Hunter-Lab	73.6938, 10.9508, 45.6014

# Details

The XYZ color **57.7639, 54.3077, 7.4380** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **20.4998, 12.1195, 95.8659**, and the grayscale version is **45.1717, 47.5242, 51.7538**.

A 20% lighter version of the original color is **73.0472, 82.4376, 20.0447**, and **29.4574, 26.6448, 3.5904** is the 20% darker color. If you saturate the color by 10%, you get **57.7637, 54.3079, 7.4380**, and if you desaturate by 10%, it is **59.4911, 57.4728, 8.9073**.

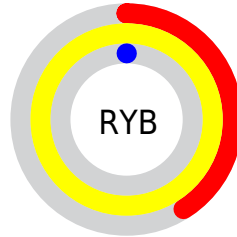
# Distribution



Red (100%)

Green (71%)

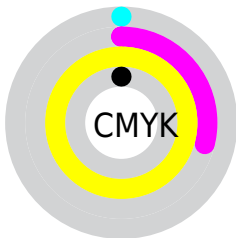
Blue (0%)



Red (41%)

Yellow (100%)

Blue (0%)

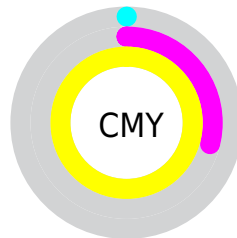


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7639, 54.3077, 7.4380 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 57.7639, 54.3077, 7.4380 by changing the saturation by 10% instead.





 57.7639, 54.3077,  
7.4380

 57.7639, 54.3077,  
7.4380


406.2737,  
403.2823, 181.0218


 41.8614, 38.8477,  
3.6549


 100.7039, 96.5259,  
21.3768

 29.1834, 26.6413,  
1.4380


 128.4721,  
124.0529, 32.3696


 19.3646, 17.3040,  
0.1711

 160.9263,  
156.3710, 46.6026

 12.0396, 10.4515,  
0.0000

 198.4317,  
193.8646, 64.4946

 6.8430, 5.6993,  
0.0000

 241.3538,  
236.9182, 86.4640

 3.4096, 2.6631,  
0.0000

 290.0580,

 1.3739, 0.9585,

285.9160, 112.9293

0.0000

344.9094,  
341.2426, 144.3090

■ 0.2375, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.7639, 54.3077,  
7.4380

■ 57.7639, 54.3077,  
7.4380

■ 57.7637, 54.3079,  
7.4380

■ 59.4911, 57.4728,  
8.9073

■ 61.5340, 60.8917,  
11.6445

■ 63.9671, 64.5984,  
16.0301

■ 66.8356, 68.6127,  
22.2968

70.1775, 72.9518,  
30.6395

74.0263, 77.6307,  
41.2286

78.4120, 82.6631,  
54.2169

83.3619, 88.0618,  
69.7437

88.9016, 93.8386,  
87.9374

# Harmonies

## Analogous

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



75.0506, 54.3077, 13.7987



57.7639, 54.3077, 7.4380



41.9628, 54.3077, 8.3207

# Triad

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



57.7639, 54.3077, 7.4380



27.2344, 54.3077, 93.9188



79.2721, 54.3077, 139.8090

# Complementary

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



57.7639, 54.3077, 7.4380



20.4998, 12.1195, 95.8659

# 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.



62.6507, 54.3077, 191.6426



57.7639, 54.3077, 7.4380



33.6538, 54.3077, 156.8745

# Square

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



57.7639, 54.3077, 7.4380



26.4699, 54.3077, 43.7530



45.9240, 54.3077, 199.1525



89.1023, 54.3077, 77.7483



# Rectangle

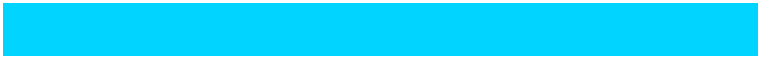
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.7639, 54.3077, 7.4380



34.1870, 54.3077, 13.1661



45.9240, 54.3077, 199.1525



74.1488, 54.3077, 160.1457

# Sweetspot

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



57.7651, 54.3104, 7.4390



78.4086, 82.6593, 54.2054



42.5624, 21.7893, 8.8941



16.3725, 17.2290, 10.3657



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.



57.7651, 54.3104, 7.4390



57.7641, 54.3083, 7.4380



60.6627, 84.3574, 13.0860



19.0898, 20.1478, 19.0271



30.3179, 28.6471, 3.9315



3.0461, 2.9776, 0.4142



# Inverse Universe

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



20.4998, 12.1195, 95.8659



20.4987, 12.1174, 95.8662



19.4162, 7.9247, 95.1134



17.4324, 18.2364, 22.8511



10.8215, 6.5526, 50.1290



1.1428, 0.8163, 4.9106



# Previews

## White Background



This preview shows how the XYZ color 57.7639, 54.3077, 7.4380 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 57.7639, 54.3077, 7.4380 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 57.7639, 54.3077, 7.4380**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.7639, 54.3077, 7.4380.



This preview shows how white text looks on a background with the XYZ color 57.7639, 54.3077,



# 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

57.7639, 54.3077, 7.4380

### Protanopia

49.3487, 54.7329, 8.4538

### Deuteranopia

55.7067, 54.4721, 7.5781



## Tritanopia

64.5398, 54.1839, 51.8567

# Trichromacy



## Original Color

57.7639, 54.3077, 7.4380

## Protanomaly

52.2899, 54.6072, 8.0714

## Deuteranomaly

56.5648, 54.6050, 7.5585

## Tritanomaly

59.7224, 53.1809, 23.6402

# Monochromacy



## Original Color

57.7639, 54.3077, 7.4380

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

46.1748, 48.2722, 23.4068

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7639, 54.3077, 7.4380 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, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 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, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7639, 54.3077, 7.4380 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, 181, 0) }
```



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

```
.border{ border-color:rgb(255, 181, 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, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7639, 54.3077, 7.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 0) }
```

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

```
.background{ background-color: rgb(255,  
181, 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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