

# Converting Colors

XYZ(61.5051, 55.7429, 4.0856)

Have a look what the booklet for  
XYZ(61.5051, 55.7429, 4.0856)  
contains.

<b>XYZ(57.3601, 53.5002, 7.3034)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	30

# **Color**

**XYZ(57.3601, 53.5002,  
7.3034)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB300
RGB	255, 179, 0
RGB Percent	100%, 70%, 0%
CMY	0.0000, 0.2980, 0.9999
CMYK	0.00, 0.30, 1.00, 0.00
HSL	42°, 100%, 50%
HSV	42°, 100%, 100%
XYZ	57.3601, 53.5002, 7.3034
YIQ	181.3180, 102.7550, -39.5570

# Conversions

## Conversions Part 2

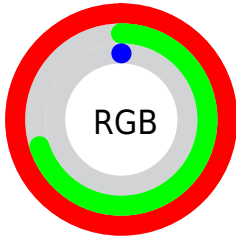
Format	Color
<a href="#">RYB</a>	<a href="#">108, 255, 0</a>
Decimal	<a href="#">16757504</a>
CIELab	<a href="#">78.17, 16.63, 81.10</a>
CIElCh	<a href="#">78, 82.787, 78.412</a>
Yxy	<a href="#">53.5002, 0.4854, 0.4528</a>
Android (android.graphics.Color)	<a href="#">4294947584</a> (0xFFFFB300)
YUV	<a href="#">181.3180, -89.3898, 64.6191</a>
Hunter-Lab	<a href="#">73.1438, 11.9797, 45.2806</a>

# Details

The XYZ color **57.3601, 53.5002, 7.3034** is a dark color, and the websafe version is hex **FFCC33**, and the color name is **ucla gold**. The color can be described as middle saturated orange. A complement of this color would be **20.6354, 12.3906, 95.9110**, and the grayscale version is **44.5261, 46.8449, 51.0141**.

A 20% lighter version of the original color is **72.4713, 81.2859, 19.8527**, and **29.3276, 26.3852, 3.5471** is the 20% darker color. If you saturate the color by 10%, you get **57.3600, 53.5005, 7.3034**, and if you desaturate by 10%, it is **59.1078, 56.7064, 8.7795**.

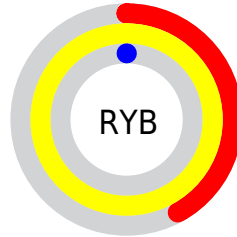
# Distribution



Red (100%)

Green (70%)

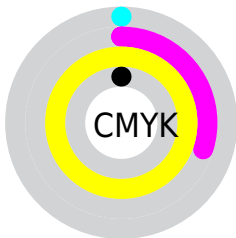
Blue (0%)



Red (42%)

Yellow (100%)

Blue (0%)

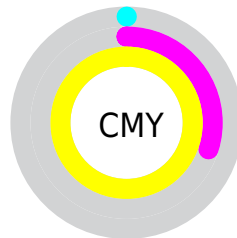


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (30%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3601, 53.5002, 7.3034 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 57.3601, 53.5002, 7.3034 by changing the saturation by 10% instead.



57.3601, 53.5002,  
7.3034

57.3601, 53.5002,  
7.3034

404.7897,  
400.2012, 179.8869

41.5357, 38.2022,  
3.5712

100.1188, 95.3400,  
21.1042

28.9274, 26.1397,  
1.3932

127.7837,  
122.6506, 32.0099

19.1699, 16.9282,  
0.1364

160.1262,  
154.7342, 46.1439

11.8979, 10.1833,  
0.0000

197.5117,  
191.9753, 63.9247

6.7459, 5.5207,  
0.0000

240.3054,  
234.7581, 85.7709

3.3486, 2.5559,  
0.0000

288.8727,

1.3407, 0.9045,

283.4671, 112.1010

0.0000

343.5790,  
338.4867, 143.3334

■ 0.2134, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.3601, 53.5002,  
7.3034

■ 57.3601, 53.5002,  
7.3034

■ 57.3600, 53.5005,  
7.3034

■ 59.1078, 56.7064,  
8.7795

■ 61.1755, 60.1747,  
11.5248

■ 63.6375, 63.9392,  
15.9201

■ 66.5392, 68.0201,  
22.1977

69.9188, 72.4346,  
30.5528

73.8098, 77.1979,  
41.1560

78.2423, 82.3242,  
54.1598

83.2439, 87.8261,  
69.7036

88.8400, 93.7157,  
87.9160

# Harmonies

## Analogous

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



74.4252, 53.5002, 13.7916



57.3601, 53.5002, 7.3034



41.6427, 53.5002, 8.0128

# Triad

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



57.3601, 53.5002, 7.3034



26.6734, 53.5002, 91.1723



77.8519, 53.5002, 139.6778

# Complementary

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



57.3601, 53.5002, 7.3034



20.6354, 12.3906, 95.9110

# 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.



61.3240, 53.5002, 190.2991



57.3601, 53.5002, 7.3034



32.8675, 53.5002, 153.5474

# Square

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



57.3601, 53.5002, 7.3034



26.0549, 53.5002, 42.1234



44.8527, 53.5002, 196.4065



87.8255, 53.5002, 78.0488



# Rectangle

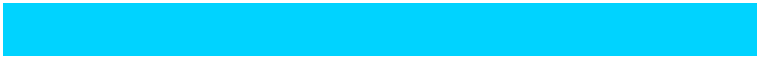
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.3601, 53.5002, 7.3034



33.8652, 53.5002, 12.6117



44.8527, 53.5002, 196.4065



72.7348, 53.5002, 159.6868

# Sweetspot

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



57.3613, 53.5029, 7.3044



78.2393, 82.3207, 54.1490



42.5623, 21.7892, 8.8940



16.3319, 17.1478, 10.3521



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.



57.3613, 53.5029, 7.3044



57.3605, 53.5009, 7.3035



60.6625, 84.3573, 13.0859



19.0773, 20.1228, 19.0229



30.1087, 28.2286, 3.8618



3.0270, 2.9394, 0.4078



# Inverse Universe

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



20.6354, 12.3906, 95.9110



20.6343, 12.3886, 95.9114



19.4161, 7.9246, 95.1132



17.4442, 18.2601, 22.8551



10.8946, 6.6987, 50.1534



1.1512, 0.8331, 4.9134



# Previews

## White Background



This preview shows how the XYZ color 57.3601, 53.5002, 7.3034 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 57.3601, 53.5002, 7.3034 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 57.3601, 53.5002, 7.3034

## Background



This preview shows how black text looks on a background with the XYZ color 57.3601, 53.5002, 7.3034.



This preview shows how white text looks on a background with the XYZ color 57.3601, 53.5002,



# 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

57.3601, 53.5002, 7.3034

### Protanopia

48.5987, 53.6811, 8.2903

### Tritanopia

63.9552, 53.3456, 50.6420

# Trichromacy



## Original Color

57.3601, 53.5002, 7.3034

## Protanomaly

51.5311, 53.5729, 7.9118

## Tritanomaly

59.2781, 52.3849, 23.2067

# Monochromacy



## Original Color

57.3601, 53.5002, 7.3034

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

45.4282, 47.2902, 22.9533

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.3601, 53.5002, 7.3034 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, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 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, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 57.3601, 53.5002, 7.3034 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, 179, 0) }
```

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

```
.border{ border-color:rgb(255, 179, 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, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
0) }
```



# Background

The CSS property to change the background color of an element to XYZ 57.3601, 53.5002, 7.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 0) }
```

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

```
.background{ background-color: rgb(255,  
179, 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](#).

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