

Converting Colors

XYZ(57.8709, 54.5218, 7.4736)

Have a look what the booklet for
XYZ(57.8709, 54.5218, 7.4736)
contains.

XYZ(57.9679, 54.7159, 7.5060)	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(57.9679, 54.7159,
7.5060)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB600
RGB	255, 182, 0
RGB Percent	100%, 71%, 0%
CMY	0.0000, 0.2862, 0.9999
CMYK	0.00, 0.29, 1.00, 0.00
HSL	43°, 100%, 50%
HSV	43°, 100%, 100%
XYZ	57.9679, 54.7159, 7.5060
YIQ	183.0790, 101.9300, -41.1260

Conversions

Conversions Part 2

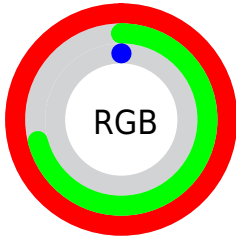
Format	Color
R _Y B	102, 255, 0
Decimal	16758272
CIE Lab	78.88, 15.07, 81.58
CIE LCh	79, 82.955, 79.536
Yxy	54.7159, 0.4823, 0.4552
Android (android.graphics.Color)	4294948352 (0xFFFFB600)
YUV	183.0790, -90.2579, 63.0747
Hunter-Lab	73.9702, 10.4365, 45.7628

Details

The XYZ color **57.9679, 54.7159, 7.5060** 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 **20.4334, 11.9867, 95.8435**, and the grayscale version is **45.4965, 47.8659, 52.1259**.

A 20% lighter version of the original color is **73.3759, 83.0336, 20.3434**, and **29.5885, 26.9070, 3.6341** is the 20% darker color. If you saturate the color by 10%, you get **57.9678, 54.7163, 7.5061**, and if you desaturate by 10%, it is **59.6844, 57.8596, 8.9717**.

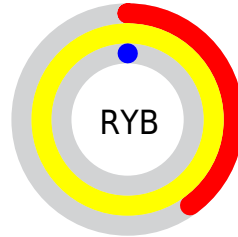
Distribution



Red (100%)

Green (71%)

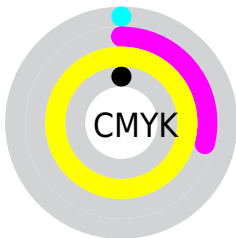
Blue (0%)



Red (40%)

Yellow (100%)

Blue (0%)

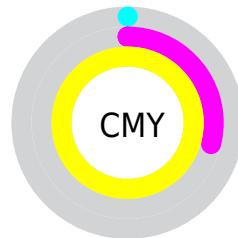


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.9679, 54.7159, 7.5060 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 57.9679, 54.7159, 7.5060 by changing the saturation by 10% instead.


 57.9679, 54.7159,
7.5060

 57.9679, 54.7159,
7.5060


407.0221,
404.8341, 181.5918


 42.0260, 39.1743,
3.6973


 100.9993, 97.1246,
21.5141

 29.3129, 26.8954,
1.4608


 128.8196,
124.7605, 32.5506


 19.4631, 17.4946,
0.1885


 161.3300,
157.1966, 46.8334

 12.1114, 10.5878,
0.0000

 198.8960,
194.8173, 64.7812

 6.8923, 5.7904,
0.0000

 241.8828,
238.0070, 86.8123

 3.4406, 2.7180,
0.0000

 290.6559,

 1.3908, 0.9864,

287.1501, 113.3454

0.0000

345.5805,
342.6310, 144.7991

■ 0.2497, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9679, 54.7159,
7.5060

■ 57.9679, 54.7159,
7.5060

■ 57.9678, 54.7163,
7.5061

■ 59.6844, 57.8596,
8.9717

■ 61.7146, 61.2531,
11.7046

■ 64.1329, 64.9301,
16.0852

■ 66.9844, 68.9105,
22.3461

■ 70.3071, 73.2113,
30.6823

■ 74.1345, 77.8474,
41.2642

■ 78.4965, 82.8326,
54.2445

■ 83.4205, 88.1793,
69.7624

■ 88.9318, 93.8995,
87.9465

Harmonies

Analogous

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



75.3665, 54.7159, 13.8024



57.9679, 54.7159, 7.5060



42.1245, 54.7159, 8.4777

Triad

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



57.9679, 54.7159, 7.5060



27.5185, 54.7159, 95.3156



79.9909, 54.7159, 139.8782

Complementary

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



57.9679, 54.7159, 7.5060



20.4334, 11.9867, 95.8435

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.



63.3229, 54.7159, 192.3222



57.9679, 54.7159, 7.5060



34.0525, 54.7159, 158.5610

Square

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



57.9679, 54.7159, 7.5060



26.6796, 54.7159, 44.5848



46.4672, 54.7159, 200.5413



89.7478, 54.7159, 77.6000

Rectangle

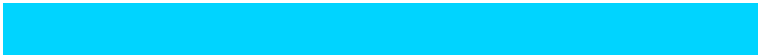
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.9679, 54.7159, 7.5060



34.3494, 54.7159, 13.4496



46.4672, 54.7159, 200.5413



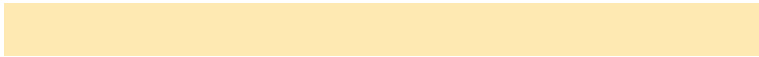
74.8649, 54.7159, 160.3798

Sweetspot

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



57.9691, 54.7187, 7.5070



78.4936, 82.8293, 54.2338



42.5623, 21.7892, 8.8940



16.3929, 17.2697, 10.3725



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.



57.9691, 54.7187, 7.5070



57.9684, 54.7168, 7.5061



60.6625, 84.3571, 13.0859



19.0961, 20.1603, 19.0292



30.4238, 28.8588, 3.9668



3.0557, 2.9968, 0.4174

Inverse Universe

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



20.4334, 11.9867, 95.8435



20.4324, 11.9848, 95.8441



19.4161, 7.9246, 95.1131



17.4265, 18.2245, 22.8492



10.7858, 6.4811, 50.1171



1.1387, 0.8081, 4.9092

Previews

White Background



This preview shows how the XYZ color 57.9679, 54.7159, 7.5060 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 57.9679, 54.7159, 7.5060 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 57.9679, 54.7159, 7.5060

Background



This preview shows how black text looks on a background with the XYZ color 57.9679, 54.7159, 7.5060.



This preview shows how white text looks on a background with the XYZ color 57.9679, 54.7159,

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

57.9679, 54.7159, 7.5060

Protanopia

49.6449, 54.8865, 8.4295

Deuteranopia

55.7067, 54.4721, 7.5781



Tritanopia

64.8353, 54.6078, 52.4706

Trichromacy



Original Color

57.9679, 54.7159, 7.5060

Protanomaly

52.2899, 54.6072, 8.0714

Deuteranomaly

56.5648, 54.6050, 7.5585

Tritanomaly

59.9762, 53.5950, 24.0134

Monochromacy



Original Color

57.9679, 54.7159, 7.5060

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.3804, 48.6832, 23.4753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.9679, 54.7159, 7.5060 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, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 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, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 0) }
```

Border

The CSS property to change the border of an element to XYZ 57.9679, 54.7159, 7.5060 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, 182, 0) }
```


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

```
.border{ border-color:rgb(255, 182, 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, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 57.9679, 54.7159, 7.5060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 0) }
```

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

```
.background{ background-color: rgb(255,  
182, 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