

# Converting Colors

XYZ(54.2166, 52.6369, 7.3024)

Have a look what the booklet for  
XYZ(54.2166, 52.6369, 7.3024)  
contains.

<b>XYZ(54.3841, 52.8684, 7.3383)</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(54.3841, 52.8684,  
7.3383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5B600
RGB	245, 182, 0
RGB Percent	96%, 71%, 0%
CMY	0.0392, 0.2862, 0.9999
CMYK	0.00, 0.26, 1.00, 0.04
HSL	45°, 100%, 48%
HSV	45°, 100%, 96%
XYZ	54.3841, 52.8684, 7.3383
YIQ	180.0890, 95.9700, -43.2460

# Conversions

## Conversions Part 2

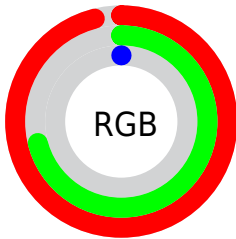
Format	Color
R <sub>Y</sub> B	85, 245, 0
Decimal	16102912
CIE Lab	77.80, 10.80, 80.33
CIE LCh	78, 81.051, 82.345
Yxy	52.8684, 0.4746, 0.4614
Android (android.graphics.Color)	4294292992 (0xFFFF5B600)
YUV	180.0890, -88.7839, 56.9269
Hunter-Lab	72.7107, 6.2658, 44.9136

# Details

The XYZ color **54.3841, 52.8684, 7.3383** 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 **18.2597, 10.1490, 87.3819**, and the grayscale version is **43.8588, 46.1429, 50.2496**.

A 20% lighter version of the original color is **73.3375, 83.0183, 20.1415**, and **27.5111, 26.0325, 3.5748** is the 20% darker color. If you saturate the color by 10%, you get **54.3841, 52.8688, 7.3384**, and if you desaturate by 10%, it is **55.8749, 55.5780, 8.6755**.

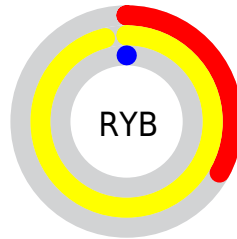
# Distribution



Red (96%)

Green (71%)

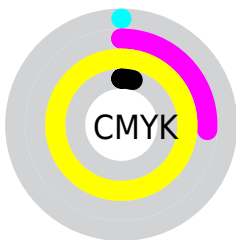
Blue (0%)



Red (33%)

Yellow (96%)

Blue (0%)

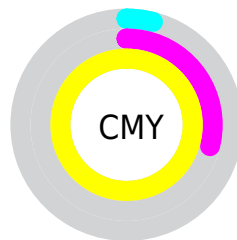


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (29%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.3841, 52.8684, 7.3383 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 54.3841, 52.8684, 7.3383 by changing the saturation by 10% instead.





 54.3841, 52.8684,  
7.3383


 54.3841, 52.8684,  
7.3383


393.7475,  
397.7800, 180.1821

 39.1407, 37.6977,  
3.5929

 95.7916, 94.4107,  
21.1750

 27.0504, 25.7482,  
1.4048


 122.6864,  
121.5511, 32.1033


 17.7479, 16.6353,  
0.1454


 154.1957,  
153.4502, 46.2631

 10.8677, 9.9748,  
0.0000

 190.6849,  
190.4924, 64.0728

 6.0446, 5.3823,  
0.0000

 232.5193,  
233.0621, 85.9511

 2.9131, 2.4733,  
0.0000

 280.0643,

 1.1080, 0.8632,

281.5437, 112.3163

0.0000

333.6853,  
336.3215, 143.5871

■ 0.0318, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.3841, 52.8684,  
7.3383

■ 54.3841, 52.8684,  
7.3383

■ 54.3841, 52.8688,  
7.3384

■ 55.8749, 55.5780,  
8.6755

■ 57.6376, 58.4882,  
11.1595

■ 59.7405, 61.6298,  
15.1412

■ 62.2241, 65.0199,  
20.8308

■ 65.1226, 68.6736,  
28.4047

■ 68.4659, 72.6037,  
38.0173

■ 72.2811, 76.8223,  
49.8069

■ 76.5925, 81.3400,  
63.8996

■ 81.4231, 86.1673,  
80.4120

# Harmonies

## Analogous

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



71.0656, 52.8684, 12.6348



54.3841, 52.8684, 7.3383



39.6138, 52.8684, 8.8868

# Triad

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



54.3841, 52.8684, 7.3383



27.1604, 52.8684, 97.1377



78.1744, 52.8684, 128.2809

# Complementary

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



54.3841, 52.8684, 7.3383



18.2597, 10.1490, 87.3819

# 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.



62.6372, 52.8684, 180.4593



54.3841, 52.8684, 7.3383



33.9562, 52.8684, 156.8725

# Square

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



54.3841, 52.8684, 7.3383



25.8549, 52.8684, 46.7877



46.3306, 52.8684, 193.0076



86.5469, 52.8684, 69.8812



# Rectangle

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



54.3841, 52.8684, 7.3383



32.5183, 52.8684, 14.3647



46.3306, 52.8684, 193.0076



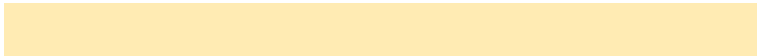
73.4792, 52.8684, 148.1574

# Sweetspot

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



54.3853, 52.8710, 7.3393



79.1289, 84.0999, 54.4455



38.6203, 19.7984, 6.8400



16.5455, 17.5748, 10.4233



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.



54.3853, 52.8710, 7.3393



59.5305, 57.8409, 8.0268



53.3512, 75.9749, 11.8533



17.5329, 18.5500, 17.4540



29.4155, 28.7167, 3.9925



2.6677, 2.6886, 0.3783



# Inverse Universe

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



18.2597, 10.1490, 87.3819



19.9731, 11.0662, 95.6910



18.1792, 7.4682, 86.8687



15.9275, 16.6193, 20.9109



9.9303, 5.6545, 47.1061



0.9523, 0.6561, 4.1667



# Previews

## White Background



This preview shows how the XYZ color 54.3841, 52.8684, 7.3383 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 54.3841, 52.8684, 7.3383 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 54.3841, 52.8684, 7.3383**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.3841, 52.8684, 7.3383.



This preview shows how white text looks on a background with the XYZ color 54.3841, 52.8684,



# 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

54.3841, 52.8684, 7.3383

### Protanopia

47.7645, 52.9233, 8.1132

### Tritanopia

63.5045, 52.8242, 51.1050

# Trichromacy



## Original Color

54.3841, 52.8684, 7.3383

## Protanomaly

49.9255, 52.7458, 7.8080

## Tritanomaly

58.0721, 52.0423, 23.5074

# Monochromacy



## Original Color

54.3841, 52.8684, 7.3383

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

44.5202, 47.1229, 22.9688

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.3841, 52.8684, 7.3383 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(245, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 182, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 54.3841, 52.8684, 7.3383 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(245, 182, 0) }
```

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

```
.border{ border-color:rgb(245, 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(245, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 182,  
0) }
```



# Background

The CSS property to change the background color of an element to XYZ 54.3841, 52.8684, 7.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 182, 0) }
```

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

```
.background{ background-color: rgb(245,  
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](#).

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