

# Converting Colors

XYZ(53.2426, 50.4172, 7.8168)

Have a look what the booklet for  
XYZ(53.2426, 50.4172, 7.8168)  
contains.

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# Color

**XYZ(53.3570, 50.5333,  
7.8614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5B019
RGB	245, 176, 25
RGB Percent	96%, 69%, 10%
CMY	0.0392, 0.3098, 0.9019
CMYK	0.00, 0.28, 0.90, 0.04
HSL	41°, 92%, 53%
HSV	41°, 90%, 96%
XYZ	53.3570, 50.5333, 7.8614
YIQ	179.4170, 89.5950, -32.3330

# Conversions

## Conversions Part 2

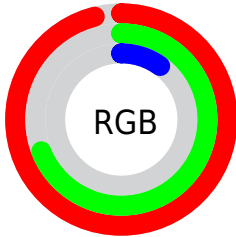
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	126, 245, 25
Decimal	16101401
CIE <sub>Lab</sub>	76.40, 14.21, 76.02
CIE <sub>LCh</sub>	76, 77.339, 79.413
Yxy	50.5333, 0.4775, 0.4522
Android (android.graphics.Color)	4294291481 (0xFFFF5B019)
YUV	179.4170, -76.1276, 57.5163
Hunter-Lab	71.0868, 9.5784, 43.2039

# Details

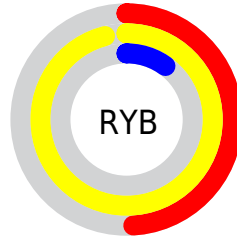
The XYZ color **53.3570, 50.5333, 7.8614** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **20.8853, 14.8051, 88.1425**, and the grayscale version is **43.4327, 45.6946, 49.7614**.

A 20% lighter version of the original color is **71.6614, 79.1500, 21.1734**, and **26.7361, 24.4826, 3.3165** is the 20% darker color. If you saturate the color by 10%, you get **51.7211, 47.5382, 6.4644**, and if you desaturate by 10%, it is **55.2973, 53.7908, 10.4306**.

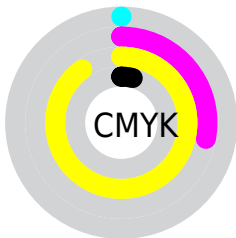
# Distribution



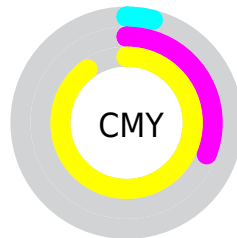
- Red (96%)
- Green (69%)
- Blue (10%)



- Red (49%)
- Yellow (96%)
- Blue (10%)



- Cyan (0%)
- Magenta (28%)
- Yellow (90%)
- Black (4%)




- Cyan (4%)
- Magenta (31%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3570, 50.5333, 7.8614 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 53.3570, 50.5333, 7.8614 by changing the saturation by 10% instead.





 53.3570, 50.5333,  
7.8614

 53.3570, 50.5333,  
7.8614


389.8918,  
388.7478, 184.5347

 38.3165, 35.8373,  
3.9199


 94.2919, 90.9645,  
22.2280


 26.4067, 24.3086,  
1.5815


 120.9170,  
117.4686, 33.4901

 17.2624, 15.5627,  
0.2776


 152.1343,  
148.6775, 48.0295

 10.5182, 9.2152,  
0.0000

 188.3092,  
184.9755, 66.2647

 5.8088, 4.8818,  
0.0000

 229.8071,  
226.7472, 88.6143

 2.7687, 2.1781,  
0.0000

 276.9932,

 1.0327, 0.7080,

274.3769, 115.4968

0.0000

330.2330,  
328.2490, 147.3307

■ 0.0000, 0.0000,  
0.0000

■ 53.3570, 50.5333,  
7.8614

■ 53.3570, 50.5333,  
7.8614

■ 51.7211, 47.5382,  
6.4644

■ 55.2973, 53.7908,  
10.4306

■ 51.6887, 47.4779,  
6.4399

■ 57.6047, 57.3318,  
14.5103

■ 60.3213, 61.1771,  
20.3108

■ 63.4818, 65.3429,  
28.0085

■ 67.1166, 69.8433,  
37.7574

71.2532, 74.6913,  
49.6957

75.9167, 79.8989,  
63.9496

81.1303, 85.4773,  
80.6356

86.9157, 91.4371,  
99.8622

# Harmonies

## Analogous

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



68.6321, 50.5333, 13.8445



53.3570, 50.5333, 7.8614



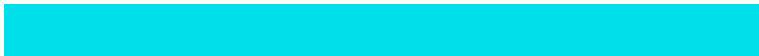
39.3174, 50.5333, 8.7664

# Triad

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



53.3570, 50.5333, 7.8614



26.1781, 50.5333, 86.1868



72.5679, 50.5333, 125.3611

# Complementary

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



53.3570, 50.5333, 7.8614



20.8853, 14.8051, 88.1425

# 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.



57.9439, 50.5333, 170.4921



53.3570, 50.5333, 7.8614



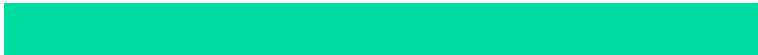
32.0287, 50.5333, 141.0742

# Square

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



53.3570, 50.5333, 7.8614



25.4415, 50.5333, 41.5730



43.0706, 50.5333, 177.3664



81.1200, 50.5333, 71.0980



# Rectangle

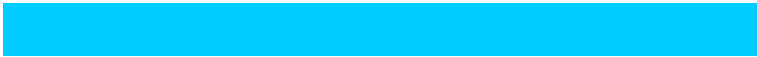
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.3570, 50.5333, 7.8614



32.3652, 50.5333, 13.4281



43.0706, 50.5333, 177.3664



68.0764, 50.5333, 143.0607

# Sweetspot

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



53.3581, 50.5358, 7.8624



79.3733, 83.3203, 58.4370



40.0545, 20.9283, 12.6771



16.6322, 17.4279, 11.4400



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.



53.3581, 50.5358, 7.8624



56.5753, 51.9307, 7.0418



57.9130, 78.3065, 12.9826



17.4507, 18.3856, 17.4266



27.9754, 25.8363, 3.5125



2.5504, 2.4541, 0.3393



# Inverse Universe

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



20.8853, 14.8051, 88.1425



20.9166, 12.9533, 96.0055



19.0318, 8.4237, 87.0084



16.0052, 16.7747, 20.9368



10.4112, 6.6161, 47.2663



1.0031, 0.7576, 4.1836



# Previews

## White Background



This preview shows how the XYZ color 53.3570, 50.5333, 7.8614 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 53.3570, 50.5333, 7.8614 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 53.3570, 50.5333, 7.8614**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.3570, 50.5333, 7.8614.



This preview shows how white text looks on a background with the XYZ color 53.3570, 50.5333,



# 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

53.3570, 50.5333, 7.8614

### Protanopia

45.8599, 50.6300, 8.5179

### Deuteranopia

51.8615, 50.6488, 7.8019



## Tritanopia

61.6199, 50.5682, 47.5872

# Trichromacy



## Original Color

53.3570, 50.5333, 7.8614

## Protanomaly

48.4014, 50.3724, 8.2704

## Deuteranomaly

52.3507, 50.6034, 7.8189

## Tritanomaly

56.8782, 49.7097, 24.6863

# Monochromacy



## Original Color

53.3570, 50.5333, 7.8614

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

44.1241, 45.9674, 25.2859

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.3570, 50.5333, 7.8614 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, 176, 25)` looks like.

```
.text, #text, p{  
    color:rgb(245, 176, 25)  
}
```

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, 176, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 176, 25) }
```

## Border

The CSS property to change the border of an element to XYZ 53.3570, 50.5333, 7.8614 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, 176, 25) }
```



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

```
.border{ border-color:rgb(245, 176, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 176, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 176, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 176, 25);  
box-shadow:4px 4px 4px 4px rgb(245, 176,  
25) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.3570, 50.5333, 7.8614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 176, 25) }
```

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

```
.background{ background-color: rgb(245,  
176, 25) }
```

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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