

# Converting Colors

XYZ(54.3217, 49.8870, 7.5251)

Have a look what the booklet for  
XYZ(54.3217, 49.8870, 7.5251)  
contains.

<b>XYZ(54.3217, 49.8870, 7.5251)</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> .....	31

# Color

**XYZ(54.3217, 49.8870,  
7.5251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAAC16
RGB	250, 172, 22
RGB Percent	98%, 67%, 9%
CMY	0.0196, 0.3255, 0.9137
CMYK	0.00, 0.31, 0.91, 0.02
HSL	39°, 96%, 53%
HSV	39°, 91%, 98%
XYZ	54.3217, 49.8870, 7.5251
YIQ	178.2220, 94.6380, -30.1140

# Conversions

## Conversions Part 2

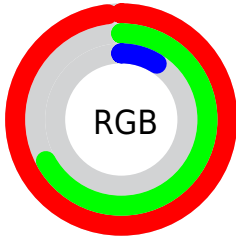
Format	Color
<a href="#">RYB</a>	<a href="#">141, 250, 22</a>
Decimal	<a href="#">16428054</a>
CIELab	<a href="#">76.00, 18.39, 76.54</a>
CIELCh	<a href="#">76, 78.722, 76.494</a>
Yxy	<a href="#">49.8870, 0.4862, 0.4465</a>
Android (android.graphics.Color)	<a href="#">4294618134 (0xFFFAAC16)</a>
YUV	<a href="#">178.2220, -77.0174, 62.9493</a>
Hunter-Lab	<a href="#">70.6307, 13.6796, 43.1247</a>

# Details

The XYZ color **54.3217, 49.8870, 7.5251** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **22.1435, 16.1873, 92.3991**, and the grayscale version is **42.7965, 45.0253, 49.0326**.

A 20% lighter version of the original color is **70.4705, 76.9028, 20.3620**, and **27.4555, 24.1243, 3.2094** is the 20% darker color. If you saturate the color by 10%, you get **52.7852, 47.0462, 6.2987**, and if you desaturate by 10%, it is **56.3717, 53.3979, 10.0260**.

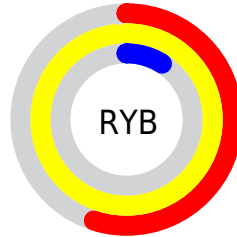
# Distribution



Red (98%)

Green (67%)

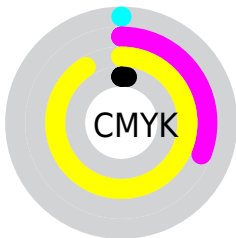
Blue (9%)



Red (55%)

Yellow (98%)

Blue (9%)

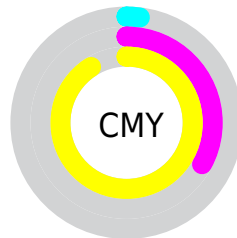


Cyan (0%)

Magenta (31%)

Yellow (91%)

Black (2%)



Cyan (2%)

Magenta (33%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.3217, 49.8870, 7.5251 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 54.3217, 49.8870, 7.5251 by changing the saturation by 10% instead.



54.3217, 49.8870,  
7.5251

54.3217, 49.8870,  
7.5251

393.5139,  
386.2239, 181.7514

39.0906, 35.3236,  
3.7092

95.7006, 90.0074,  
21.5526

27.0113, 23.9123,  
1.4672

122.5790,  
116.3333, 32.6014

17.7183, 15.2686,  
0.1933

154.0707,  
147.3487, 46.8981

10.8464, 9.0081,  
0.0000

190.5409,  
183.4382, 64.8615

6.0302, 4.7465,  
0.0000

232.3549,  
224.9860, 86.9100

2.9043, 2.0993,  
0.0000

279.8782,

1.1033, 0.6642,

272.3766, 113.4621

0.0000

333.4761,  
325.9945, 144.9364

■ 0.0279, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.3217, 49.8870,  
7.5251

■ 54.3217, 49.8870,  
7.5251


■ 52.7852, 47.0462,  
6.2987


■ 56.3717, 53.3979,  
10.0260


■ 58.8156, 57.2349,  
14.0799


■ 61.6993, 61.4215,  
19.9150


■ 65.0606, 65.9756,  
27.7207

 68.9325, 70.9133,  
37.6618

 73.3444, 76.2491,  
49.8859

 78.3236, 81.9965,  
64.5272

 83.8950, 88.1683,  
81.7095

 90.0821, 94.7763,  
101.5482

# Harmonies

## Analogous

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



69.6343, 49.8870, 14.2419



54.3217, 49.8870, 7.5251



39.8422, 49.8870, 7.8211

# Triad

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



54.3217, 49.8870, 7.5251



25.1664, 49.8870, 80.6667



70.9881, 49.8870, 131.1830

# Complementary

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



54.3217, 49.8870, 7.5251



22.1435, 16.1873, 92.3991

# 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.



55.8938, 49.8870, 174.6186



54.3217, 49.8870, 7.5251



30.5115, 49.8870, 136.6237

# Square

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



54.3217, 49.8870, 7.5251



24.9175, 49.8870, 37.5353



41.1220, 49.8870, 177.0067



80.5148, 49.8870, 75.4802



# Rectangle

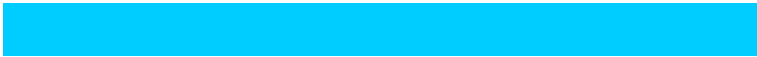
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.3217, 49.8870, 7.5251



32.5264, 49.8870, 11.7928



41.1220, 49.8870, 177.0067



66.2715, 49.8870, 148.7238

# Sweetspot

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



54.3228, 49.8895, 7.5260



78.8202, 82.2142, 58.2527



42.0998, 21.8535, 14.5191



16.5010, 17.1655, 11.3963



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.



54.3228, 49.8895, 7.5260



55.1999, 49.1798, 6.5833



62.5903, 82.9972, 13.4807



18.1982, 19.1323, 18.1961



28.1382, 25.2330, 3.3874



2.7045, 2.5339, 0.3466



# Inverse Universe

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



22.1435, 16.1873, 92.3991



21.4770, 14.0740, 96.1923



19.1848, 8.3230, 91.0371



16.7684, 17.6137, 21.9013



11.0174, 7.3904, 48.8194



1.1147, 0.8730, 4.5529



# Previews

## White Background



This preview shows how the XYZ color 54.3217, 49.8870, 7.5251 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 54.3217, 49.8870, 7.5251 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 54.3217, 49.8870, 7.5251**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.3217, 49.8870, 7.5251.



This preview shows how white text looks on a background with the XYZ color 54.3217, 49.8870,



# 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

54.3217, 49.8870, 7.5251

### Protanopia

45.3324, 50.0426, 8.3068

### Deuteranopia

50.9247, 49.8770, 7.3587



## Tritanopia

61.5277, 49.7669, 45.8983

# Trichromacy



## Original Color

54.3217, 49.8870, 7.5251

## Protanomaly

48.2674, 49.6948, 7.9678

## Deuteranomaly

52.2445, 49.9684, 7.4216

## Tritanomaly

57.2332, 49.1009, 23.6004

# Monochromacy



## Original Color

54.3217, 49.8870, 7.5251

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

43.8784, 45.2685, 24.5142

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.3217, 49.8870, 7.5251 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(250, 172, 22)` looks like.

```
.text, #text, p{  
    color:rgb(250, 172, 22)  
}
```

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(250, 172, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 172, 22) }
```

## Border

The CSS property to change the border of an element to XYZ 54.3217, 49.8870, 7.5251 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(250, 172, 22) }
```



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

```
.border{ border-color:rgb(250, 172, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 172, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 172, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 172, 22);  
box-shadow:4px 4px 4px 4px rgb(250, 172,  
22) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.3217, 49.8870, 7.5251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 172, 22) }
```

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

```
.background{ background-color: rgb(250,  
172, 22) }
```

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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