

# Converting Colors

XYZ(53.9304, 49.7731, 10.9354)

Have a look what the booklet for  
XYZ(53.9304, 49.7731, 10.9354)  
contains.

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# Color

**XYZ(54.0908, 49.9771,  
10.9333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7AD3B
RGB	247, 173, 59
RGB Percent	97%, 68%, 23%
CMY	0.0314, 0.3215, 0.7686
CMYK	0.00, 0.30, 0.76, 0.03
HSL	36°, 92%, 60%
HSV	36°, 76%, 97%
XYZ	54.0908, 49.9771, 10.9333
YIQ	182.1300, 80.6980, -19.7660

# Conversions

## Conversions Part 2

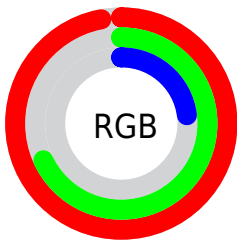
Format	Color
R <sub>Y</sub> B	181, 247, 59
Decimal	16231739
CIE Lab	76.06, 17.56, 65.76
CIE LCh	76, 68.060, 75.050
Yxy	49.9771, 0.4703, 0.4346
Android (android.graphics.Color)	4294421819 (0xFFF7AD3B)
YUV	182.1300, -60.7031, 56.8910
Hunter-Lab	70.6945, 12.8612, 40.3166

# Details

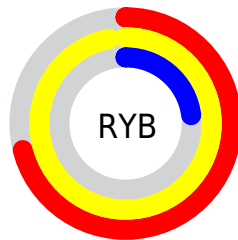
The XYZ color **54.0908, 49.9771, 10.9333** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **26.9792, 24.4193, 91.2866**, and the grayscale version is **44.8253, 47.1597, 51.3569**.

A 20% lighter version of the original color is **72.0207, 77.9617, 27.1718**, and **27.0871, 24.1138, 3.2268** is the 20% darker color. If you saturate the color by 10%, you get **51.7986, 46.1871, 7.7214**, and if you desaturate by 10%, it is **56.8237, 54.1645, 15.7866**.

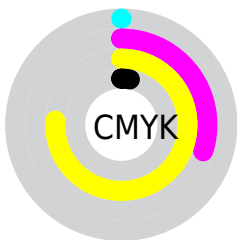
# Distribution



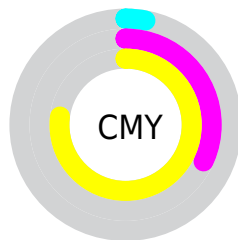
- Red (97%)
- Green (68%)
- Blue (23%)



- Red (71%)
- Yellow (97%)
- Blue (23%)



- Cyan (0%)
- Magenta (30%)
- Yellow (76%)
- Black (3%)




- Cyan (3%)
- Magenta (32%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.0908, 49.9771, 10.9333 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 54.0908, 49.9771, 10.9333 by changing the saturation by 10% instead.





 54.0908, 49.9771,  
10.9333


 54.0908, 49.9771,  
10.9333


392.6489,  
386.5764, 207.9304

 38.9052, 35.3952,  
5.9084


 95.3637, 90.1409,  
28.1715

 26.8664, 23.9675,  
2.7216


 122.1817,  
116.4917, 41.2219


 17.6090, 15.3095,  
0.9543


 153.6078,  
147.5342, 57.7846

 10.7676, 9.0369,  
0.0000

 190.0075,  
183.6528, 78.2780

 5.9769, 4.7652,  
0.0000

 231.7461,  
225.2319, 103.1207

 2.8716, 2.1102,  
0.0000

279.1890,

 1.0862, 0.6703,

272.6559, 132.7314

0.0000

332.7015,  
326.3093, 167.5284

■ 0.0135, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.0908, 49.9771,  
10.9333

■ 54.0908, 49.9771,  
10.9333

■ 51.7986, 46.1871,  
7.7214

■ 56.8237, 54.1645,  
15.7866


■ 49.8939, 42.7625,  
5.9001


■ 60.0344, 58.7625,  
22.4784


■ 49.2294, 41.5178,  
5.4191

■ 63.7591, 63.7919,  
31.1804


■ 68.0289, 69.2694,  
42.0439

 72.8722, 75.2103,  
55.2054

 78.3150, 81.6292,  
70.7902

 84.3816, 88.5395,  
88.9143

 90.8358, 95.8505,  
108.3212

 92.1675, 98.5140,  
108.7651

# Harmonies

## Analogous

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



66.9481, 49.9771, 18.3876



54.0908, 49.9771, 10.9333



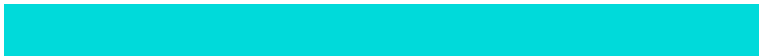
41.4332, 49.9771, 10.9441

# Triad

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



54.0908, 49.9771, 10.9333



27.5908, 49.9771, 74.6929



66.9859, 49.9771, 120.3706

# Complementary

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



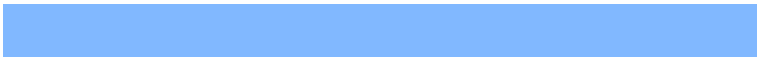
54.0908, 49.9771, 10.9333



26.9792, 24.4193, 91.2866

# 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.



54.1356, 49.9771, 153.8793



54.0908, 49.9771, 10.9333



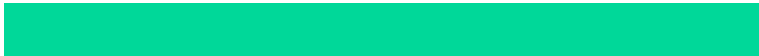
32.2408, 49.9771, 120.5168

# Square

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



54.0908, 49.9771, 10.9333



27.5831, 49.9771, 38.2811



41.4707, 49.9771, 153.9423



75.2477, 49.9771, 74.5478



# Rectangle

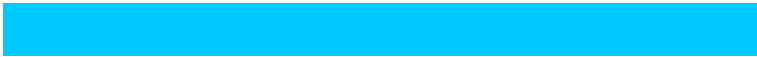
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.0908, 49.9771, 10.9333



34.8015, 49.9771, 14.8716



41.4707, 49.9771, 153.9423



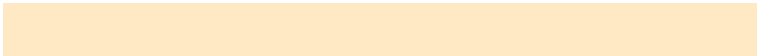
62.9676, 49.9771, 134.1987

# Sweetspot

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



54.0919, 49.9796, 10.9342



80.0767, 82.9275, 64.2198



44.2389, 24.6292, 25.0504



16.7054, 17.2304, 12.5248



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.



54.0919, 49.9796, 10.9342



54.6103, 47.7540, 7.1472



66.1084, 83.3636, 16.7447



17.3354, 18.1549, 17.3881



26.1784, 22.2423, 2.9134



2.4008, 2.1548, 0.2894



# Inverse Universe

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



26.9792, 24.4193, 91.2866



24.4513, 19.4998, 97.0829



21.4783, 11.4551, 89.0742



16.1162, 16.9967, 20.9738



11.2789, 8.3517, 47.5556



1.0884, 0.9283, 4.2120



# Previews

## White Background



This preview shows how the XYZ color 54.0908, 49.9771, 10.9333 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 54.0908, 49.9771, 10.9333 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 54.0908, 49.9771, 10.9333**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.0908, 49.9771, 10.9333.



This preview shows how white text looks on a background with the XYZ color 54.0908, 49.9771,



# 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

54.0908, 49.9771, 10.9333

### Protanopia

45.4588, 50.0270, 11.9629

### Deuteranopia

50.9199, 49.7984, 10.7992



## Tritanopia

61.4334, 49.9675, 46.4512

# Trichromacy



## Original Color

54.0908, 49.9771, 10.9333

## Protanomaly

48.2344, 49.9027, 11.6474

## Deuteranomaly

51.8857, 49.7069, 10.8627

## Tritanomaly

57.5847, 49.4476, 28.3391

# Monochromacy



## Original Color

54.0908, 49.9771, 10.9333

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

46.0891, 47.1682, 30.3421

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.0908, 49.9771, 10.9333 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(247, 173, 59)` looks like.

```
.text, #text, p{  
    color:rgb(247, 173, 59)  
}
```

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(247, 173, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 173, 59) }
```

## Border

The CSS property to change the border of an element to XYZ 54.0908, 49.9771, 10.9333 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(247, 173, 59) }
```



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

```
.border{ border-color:rgb(247, 173, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 173, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 173, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 173, 59);  
box-shadow:4px 4px 4px 4px rgb(247, 173,  
59) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.0908, 49.9771, 10.9333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 173, 59) }
```

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

```
.background{ background-color: rgb(247,  
173, 59) }
```

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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