

# Converting Colors

XYZ(54.5183, 45.8390, 12.4529)

Have a look what the booklet for  
XYZ(54.5183, 45.8390, 12.4529)  
contains.

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# Color

**XYZ(54.5330, 45.8684,  
12.4578)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9D4A
RGB	255, 157, 74
RGB Percent	100%, 62%, 29%
CMY	0.0000, 0.3843, 0.7098
CMYK	0.00, 0.38, 0.71, 0.00
HSL	28°, 100%, 65%
HSV	28°, 71%, 100%
XYZ	54.5330, 45.8684, 12.4578
YIQ	176.8400, 85.0510, -5.0370

# Conversions

## Conversions Part 2

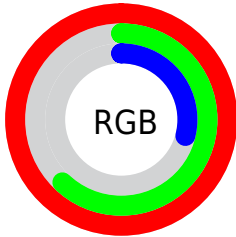
Format	Color
R <sub>Y</sub> B	255, 227, 74
Decimal	16751946
CIE Lab	73.46, 29.87, 57.15
CIE LCh	73, 64.483, 62.405
Yxy	45.8684, 0.4832, 0.4064
Android (android.graphics.Color)	4294942026 (0xFFFF9D4A)
YUV	176.8400, -50.7001, 68.5463
Hunter-Lab	67.7262, 25.2069, 36.5023

# Details

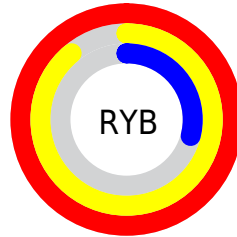
The XYZ color **54.5330, 45.8684, 12.4578** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **35.6254, 38.1786, 100.0986**, and the grayscale version is **41.9336, 44.1175, 48.0439**.

A 20% lighter version of the original color is **68.5494, 69.8533, 29.6088**, and **27.1614, 21.4876, 3.3321** is the 20% darker color. If you saturate the color by 10%, you get **51.6364, 41.1830, 8.0785**, and if you desaturate by 10%, it is **58.0436, 51.2256, 18.7589**.

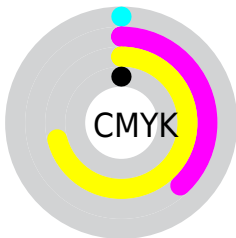
# Distribution



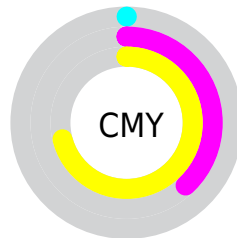
- Red (100%)
- Green (62%)
- Blue (29%)



- Red (100%)
- Yellow (89%)
- Blue (29%)



- Cyan (0%)
- Magenta (38%)
- Yellow (71%)
- Black (0%)



- Cyan (0%)
- Magenta (38%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5330, 45.8684, 12.4578 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 54.5330, 45.8684, 12.4578 by changing the saturation by 10% instead.



54.5330, 45.8684,  
12.4578

54.5330, 45.8684,  
12.4578

394.3045,  
370.2793, 218.4973

39.2603, 32.1420,  
6.9300

96.0087, 84.0220,  
31.0030

27.1439, 21.4700,  
3.3405

122.9424,  
109.2180, 44.8574

17.8185, 13.4680,  
1.2710

154.4939,  
139.0060, 62.3244

10.9187, 7.7516,  
0.0379

191.0284,  
173.7703, 83.8225

6.0790, 3.9364,  
0.0000

232.9114,  
213.8954, 109.7703

2.9343, 1.6380,  
0.0000

280.5082,

1.1191, 0.3831,

259.7657, 140.5864

0.0000

334.1841,  
311.7655, 176.6892

■ 0.0410, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.5330, 45.8684,  
12.4578

■ 54.5330, 45.8684,  
12.4578

■ 51.6364, 41.1830,  
8.0785

■ 58.0436, 51.2256,  
18.7589

■ 49.2969, 37.1268,  
5.3787

■ 62.2108, 57.2792,  
27.1798

■ 47.5943, 33.9691,  
4.0482

■ 67.0765, 64.0605,  
37.8961

■ 72.6774, 71.5966,  
51.0643

79.0475, 79.9127,  
66.8268

86.2185, 89.0328,  
85.3151

94.2199, 98.9798,  
106.6519

95.0497, 99.9998,  
108.9000

# Harmonies

## Analogous

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



64.7922, 45.8684, 23.3340



54.5330, 45.8684, 12.4578



42.6852, 45.8684, 9.8609

# Triad

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



54.5330, 45.8684, 12.4578



25.1920, 45.8684, 52.6175



56.3992, 45.8684, 123.6903

# Complementary

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



54.5330, 45.8684, 12.4578



35.6254, 38.1786, 100.0986

# 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.



44.5207, 45.8684, 142.3070



54.5330, 45.8684, 12.4578



27.6152, 45.8684, 91.5930

# Square

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



54.5330, 45.8684, 12.4578



26.9438, 45.8684, 26.1837



34.2297, 45.8684, 128.5641



65.9947, 45.8684, 84.9402



# Rectangle

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



54.5330, 45.8684, 12.4578



35.7803, 45.8684, 11.5318



34.2297, 45.8684, 128.5641



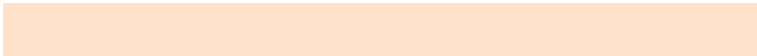
52.4755, 45.8684, 133.1197

# Sweetspot

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



54.5341, 45.8708, 12.4586



79.0342, 79.8954, 66.7921



51.2849, 29.1962, 42.7475



16.5233, 16.5925, 13.3078



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.



54.5341, 45.8708, 12.4586



50.6325, 39.4787, 6.8065



75.4162, 87.6350, 19.4193



18.6957, 19.3596, 18.8957



25.0145, 18.0403, 2.1637



2.5433, 1.9720, 0.2466



# Inverse Universe

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



35.6254, 38.1786, 100.0986



30.6798, 31.2792, 99.0282



23.9713, 14.8704, 96.2139



17.8178, 19.0073, 22.9796



14.3359, 13.5814, 51.3005



1.5052, 1.5410, 5.0314



# Previews

## White Background



This preview shows how the XYZ color 54.5330, 45.8684, 12.4578 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 54.5330, 45.8684, 12.4578 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 54.5330, 45.8684, 12.4578**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5330, 45.8684, 12.4578.



This preview shows how white text looks on a background with the XYZ color 54.5330, 45.8684,



# 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

54.5330, 45.8684, 12.4578

### Protanopia

42.0965, 46.0593, 14.4562

### Deuteranopia

46.9094, 45.9548, 12.1921



## Tritanopia

58.7396, 45.9664, 39.4947

# Trichromacy



## Original Color

54.5330, 45.8684, 12.4578

## Protanomaly

45.9465, 45.4273, 13.5544

## Deuteranomaly

49.5481, 45.9252, 12.2142

## Tritanomaly

56.5937, 45.6274, 26.5930

# Monochromacy



## Original Color

54.5330, 45.8684, 12.4578

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

44.2852, 43.6220, 30.8968

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5330, 45.8684, 12.4578 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, 157, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 74)  
}
```

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, 157, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 74) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5330, 45.8684, 12.4578 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, 157, 74) }
```



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

```
.border{ border-color:rgb(255, 157, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 157, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
74) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5330, 45.8684, 12.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 74) }
```

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

```
.background{ background-color: rgb(255,  
157, 74) }
```

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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