

# Converting Colors

XYZ(53.9746, 48.5011, 11.9264)

Have a look what the booklet for  
XYZ(53.9746, 48.5011, 11.9264)  
contains.

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# **Color**

**XYZ(54.1129, 48.5624,  
11.9903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9A844
RGB	249, 168, 68
RGB Percent	98%, 66%, 27%
CMY	0.0235, 0.3411, 0.7333
CMYK	0.00, 0.33, 0.73, 0.02
HSL	33°, 94%, 62%
HSV	33°, 73%, 98%
XYZ	54.1129, 48.5624, 11.9903
YIQ	180.8190, 80.3760, -13.9280

# Conversions

## Conversions Part 2

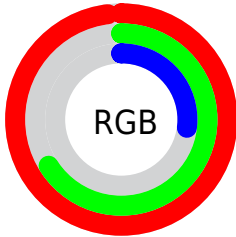
Format	Color
R <sub>Y</sub> B	215, 249, 68
Decimal	16361540
CIE Lab	75.18, 21.39, 61.34
CIE LCh	75, 64.964, 70.772
Yxy	48.5624, 0.4719, 0.4235
Android (android.graphics.Color)	4294551620 (0xFFFF9A844)
YUV	180.8190, -55.6198, 59.7947
Hunter-Lab	69.6867, 16.6564, 38.5793

# Details

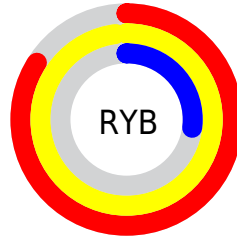
The XYZ color **54.1129, 48.5624, 11.9903** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **30.2295, 29.5619, 93.7345**, and the grayscale version is **44.0851, 46.3809, 50.5088**.

A 20% lighter version of the original color is **71.0789, 75.4158, 28.8996**, and **27.0063, 23.1909, 3.1678** is the 20% darker color. If you saturate the color by 10%, you get **51.5386, 44.3830, 8.1459**, and if you desaturate by 10%, it is **57.1881, 53.2283, 17.5934**.

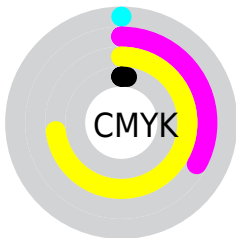
# Distribution



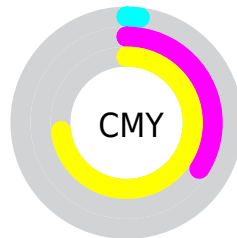
- Red (98%)
- Green (66%)
- Blue (27%)



- Red (84%)
- Yellow (98%)
- Blue (27%)



- Cyan (0%)
- Magenta (33%)
- Yellow (73%)
- Black (2%)



- Cyan (2%)
- Magenta (34%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.1129, 48.5624, 11.9903 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 54.1129, 48.5624, 11.9903 by changing the saturation by 10% instead.



54.1129, 48.5624,  
11.9903

54.1129, 48.5624,  
11.9903

392.7317,  
381.0170, 215.3167

38.9230, 34.2725,  
6.6146

95.3959, 88.0412,  
30.1416

26.8803, 23.1030,  
3.1475

122.2197,  
113.9988, 43.7542

17.6194, 14.6696,  
1.1704

153.6521,  
144.6145, 60.9496

10.7751, 8.5878,  
0.0000

190.0586,  
180.2726, 82.1463

5.9820, 4.4733,  
0.0000

231.8044,  
221.3575, 107.7628

2.8747, 1.9417,  
0.0000

279.2550,

1.0879, 0.5733,

268.2536, 138.2177

0.0000

332.7756,  
321.3453, 173.9295

■ 0.0149, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.1129, 48.5624,  
11.9903

■ 54.1129, 48.5624,  
11.9903

■ 51.5386, 44.3830,  
8.1459

■ 57.1881, 53.2283,  
17.5934

■ 49.4136, 40.6563,  
5.8241

■ 60.8016, 58.3962,  
25.1453

■ 48.0945, 38.1954,  
4.8376

■ 64.9899, 64.0895,  
34.8140

■ 69.7852, 70.3274,  
46.7486

75.2168, 77.1276,  
61.0845

81.3118, 84.5070,  
77.9465

88.0956, 92.4816,  
97.4505

92.8766, 98.8796,  
108.7983

# Harmonies

## Analogous

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



65.7519, 48.5624, 20.5804



54.1129, 48.5624, 11.9903



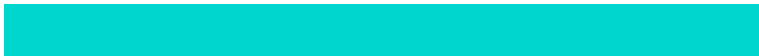
42.0098, 48.5624, 11.0839

# Triad

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



54.1129, 48.5624, 11.9903



27.1250, 48.5624, 66.0991



62.7767, 48.5624, 119.6777

# Complementary

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



54.1129, 48.5624, 11.9903



30.2295, 29.5619, 93.7345

# 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.



50.5687, 48.5624, 146.9553



54.1129, 48.5624, 11.9903



30.9022, 48.5624, 108.2783

# Square

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



54.1129, 48.5624, 11.9903



27.7424, 48.5624, 34.0927



39.0220, 48.5624, 142.0655



71.3182, 48.5624, 77.5358



# Rectangle

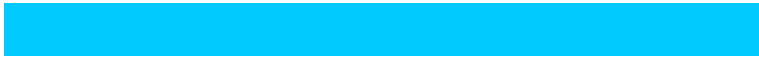
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.1129, 48.5624, 11.9903



35.4088, 48.5624, 14.1842



39.0220, 48.5624, 142.0655



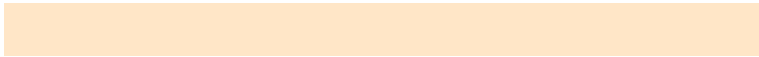
58.8861, 48.5624, 131.5656

# Sweetspot

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



54.1140, 48.5649, 11.9912



79.8052, 81.9149, 65.5769



46.5948, 26.4586, 31.2743



16.7311, 17.1008, 13.0912



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.



54.1140, 48.5649, 11.9912



53.3593, 45.0560, 7.3342



70.8368, 86.6845, 18.4677



18.0398, 18.8154, 18.1433



25.8885, 20.7337, 2.6375



2.5035, 2.1319, 0.2796



# Inverse Universe

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



30.2295, 29.5619, 93.7345



26.9908, 24.1634, 97.8492



22.2309, 12.5541, 90.8732



16.9225, 17.9218, 21.9526



12.3573, 10.0702, 49.2660



1.2485, 1.1408, 4.5976



# Previews

## White Background



This preview shows how the XYZ color 54.1129, 48.5624, 11.9903 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 54.1129, 48.5624, 11.9903 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 54.1129, 48.5624, 11.9903

## Background



This preview shows how black text looks on a background with the XYZ color 54.1129, 48.5624, 11.9903.



This preview shows how white text looks on a background with the XYZ color 54.1129, 48.5624,



# 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

54.1129, 48.5624, 11.9903

### Protanopia

44.4936, 48.8642, 13.3900

### Deuteranopia

49.7582, 48.5881, 11.7569



## Tritanopia

60.6283, 48.5783, 43.7172

# Trichromacy



## Original Color

54.1129, 48.5624, 11.9903

## Protanomaly

47.3816, 48.2247, 12.7723

## Deuteranomaly

51.1868, 48.4576, 11.8097

## Tritanomaly

57.5932, 48.3893, 28.1344

# Monochromacy



## Original Color

54.1129, 48.5624, 11.9903

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

45.7126, 46.0659, 31.2932

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.1129, 48.5624, 11.9903 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(249, 168, 68)` looks like.

```
.text, #text, p{  
    color:rgb(249, 168, 68)  
}
```

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(249, 168, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 168, 68) }
```

## Border

The CSS property to change the border of an element to XYZ 54.1129, 48.5624, 11.9903 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(249, 168, 68) }
```



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

```
.border{ border-color:rgb(249, 168, 68) }
```

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

Here you see how a box with a 4 pixel rgb(249, 168, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 168, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 168, 68);  
box-shadow:4px 4px 4px 4px rgb(249, 168,  
68) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.1129, 48.5624, 11.9903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 168, 68) }
```

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

```
.background{ background-color: rgb(249,  
168, 68) }
```

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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