

# Converting Colors

XYZ(53.9066, 46.8309, 12.5014)

Have a look what the booklet for  
XYZ(53.9066, 46.8309, 12.5014)  
contains.

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# Color

**XYZ(53.9066, 46.8309,  
12.5014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBA249
RGB	251, 162, 73
RGB Percent	98%, 64%, 29%
CMY	0.0157, 0.3647, 0.7137
CMYK	0.00, 0.35, 0.71, 0.02
HSL	30°, 96%, 64%
HSV	30°, 71%, 98%
XYZ	53.9066, 46.8309, 12.5014
YIQ	178.4650, 81.6130, -8.8110

# Conversions

## Conversions Part 2

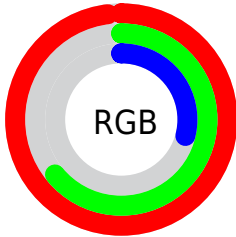
Format	Color
<a href="#">RYB</a>	<a href="#">251, 251, 73</a>
Decimal	<a href="#">16491081</a>
CIELab	<a href="#">74.08, 25.59, 58.11</a>
CIELCh	<a href="#">74, 63.493, 66.227</a>
Yxy	<a href="#">46.8309, 0.4760, 0.4136</a>
Android (android.graphics.Color)	<a href="#">4294681161</a> ( <a href="#">0xFFFBA249</a> )
YUV	<a href="#">178.4650, -51.9942, 63.6132</a>
Hunter-Lab	<a href="#">68.4331, 20.8513, 37.0720</a>

# Details

The XYZ color **53.9066, 46.8309, 12.5014** 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 **33.0798, 34.2205, 96.1280**, and the grayscale version is **42.8015, 45.0305, 49.0382**.

A 20% lighter version of the original color is **69.8187, 72.3921, 30.0319**, and **26.6634, 22.0111, 3.3736** is the 20% darker color. If you saturate the color by 10%, you get **51.1350, 42.3618, 8.2673**, and if you desaturate by 10%, it is **57.2366, 51.8803, 18.5779**.

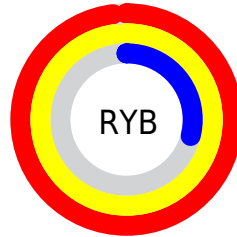
# Distribution



Red (98%)

Green (64%)

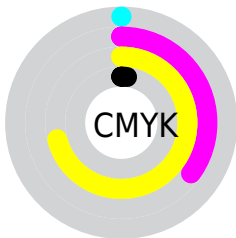
Blue (29%)



Red (98%)

Yellow (98%)

Blue (29%)

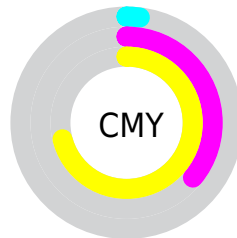


Cyan (0%)

Magenta (35%)

Yellow (71%)

Black (2%)



Cyan (2%)

Magenta (36%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9066, 46.8309, 12.5014 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 53.9066, 46.8309, 12.5014 by changing the saturation by 10% instead.



53.9066, 46.8309,  
12.5014

53.9066, 46.8309,  
12.5014

391.9579,  
374.1391, 218.7914

38.7574, 32.9020,  
6.9595

95.0948, 85.4612,  
31.0830

26.7509, 22.0514,  
3.3587

121.8645,  
110.9313, 44.9598

17.5218, 13.8947,  
1.2806

153.2383,  
141.0173, 62.4519

10.7049, 8.0474,  
0.0458

189.5817,  
176.1036, 83.9778

5.9346, 4.1253,  
0.0000

231.2600,  
216.5745, 109.9562

2.8456, 1.7439,  
0.0000

278.6386,

1.0727, 0.4518,

262.8145, 140.8056

0.0000

332.0828,  
315.2079, 176.9445

■ 0.0020, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.9066, 46.8309,  
12.5014

■ 53.9066, 46.8309,  
12.5014

■ 51.1350, 42.3618,  
8.2673

■ 57.2366, 51.8803,  
18.5779


■ 48.8688, 38.4356,  
5.6434

■ 61.1639, 57.5296,  
26.6860


■ 47.1815, 35.3053,  
4.3279


■ 65.7270, 63.8054,  
36.9941

■ 70.9596, 70.7306,  
49.6520

 76.8929, 78.3263,  
64.7961

 83.5557, 86.6126,  
82.5525

 90.9752, 95.6086,  
103.0386

 93.5934, 99.2491,  
108.8318

# Harmonies

## Analogous

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



64.5517, 46.8309, 22.2424



53.9066, 46.8309, 12.5014



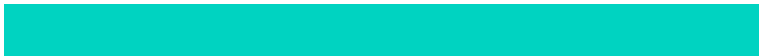
42.1845, 46.8309, 10.6655

# Triad

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



53.9066, 46.8309, 12.5014



26.1417, 46.8309, 58.0798



58.7036, 46.8309, 119.9029

# Complementary

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



53.9066, 46.8309, 12.5014



33.0798, 34.2205, 96.1280

# 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.



46.9223, 46.8309, 141.8459



53.9066, 46.8309, 12.5014



29.1181, 46.8309, 97.5980

# Square

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



53.9066, 46.8309, 12.5014



27.3694, 46.8309, 29.7080



36.2766, 46.8309, 132.3030



67.6343, 46.8309, 80.5824



# Rectangle

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



53.9066, 46.8309, 12.5014



35.5418, 46.8309, 12.9502



36.2766, 46.8309, 132.3030



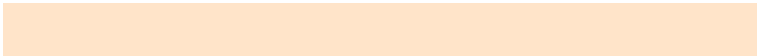
54.8757, 46.8309, 130.1766

# Sweetspot

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



53.9077, 46.8333, 12.5023



79.6415, 81.1099, 66.9945



48.6878, 27.8832, 36.9987



16.6673, 16.8804, 13.3558



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.



53.9077, 46.8333, 12.5023



51.9705, 42.1548, 7.2525



75.4831, 89.9841, 19.6941



17.9617, 18.6593, 18.1173



24.9464, 18.8494, 2.3235



2.4165, 1.9578, 0.2505



# Inverse Universe

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



33.0798, 34.2205, 96.1280



29.2329, 28.3856, 98.5460



22.5431, 13.1470, 92.6157



17.0000, 18.0769, 21.9785



13.1861, 11.7278, 49.5423



1.3273, 1.2982, 4.6238



# Previews

## White Background



This preview shows how the XYZ color 53.9066, 46.8309, 12.5014 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 53.9066, 46.8309, 12.5014 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 53.9066, 46.8309, 12.5014

## Background



This preview shows how black text looks on a background with the XYZ color 53.9066, 46.8309, 12.5014.



This preview shows how white text looks on a background with the XYZ color 53.9066, 46.8309, 12.5014.



# 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

53.9066, 46.8309, 12.5014

### Protanopia

42.9734, 47.1280, 14.2288

### Deuteranopia

47.7276, 46.6602, 12.2852



## Tritanopia

59.3321, 46.7228, 41.0132

# Trichromacy



## Original Color

53.9066, 46.8309, 12.5014

## Protanomaly

46.1847, 46.4114, 13.5453

## Deuteranomaly

49.9174, 46.6637, 12.3373

## Tritanomaly

56.8583, 46.4865, 27.4488

# Monochromacy



## Original Color

53.9066, 46.8309, 12.5014

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

44.6630, 44.3776, 31.0227

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9066, 46.8309, 12.5014 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(251, 162, 73)` looks like.

```
.text, #text, p{  
    color:rgb(251, 162, 73)  
}
```

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(251, 162, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 162, 73) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9066, 46.8309, 12.5014 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(251, 162, 73) }
```



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

```
.border{ border-color:rgb(251, 162, 73) }
```

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

Here you see how a box with a 4 pixel rgb(251, 162, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 162, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 162, 73);  
box-shadow:4px 4px 4px 4px rgb(251, 162,  
73) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9066, 46.8309, 12.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 162, 73) }
```

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

```
.background{ background-color: rgb(251,  
162, 73) }
```

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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