

# Converting Colors

XYZ(54.1969, 46.2165, 9.2001)

Have a look what the booklet for  
XYZ(54.1969, 46.2165, 9.2001)  
contains.

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# Color

**XYZ(54.2357, 46.2953,  
9.2093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9F33
RGB	255, 159, 51
RGB Percent	100%, 62%, 20%
CMY	0.0000, 0.3764, 0.8000
CMYK	0.00, 0.38, 0.80, 0.00
HSL	32°, 100%, 60%
HSV	32°, 80%, 100%
XYZ	54.2357, 46.2953, 9.2093
YIQ	175.3920, 91.8840, -13.2360

# Conversions

## Conversions Part 2

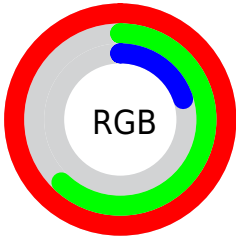
Format	Color
R <sub>Y</sub> B	232, 255, 51
Decimal	16752435
CIE Lab	73.74, 27.92, 66.93
CIE LCh	74, 72.518, 67.355
Yxy	46.2953, 0.4942, 0.4219
Android (android.graphics.Color)	4294942515 (0xFFFF9F33)
YUV	175.3920, -61.3253, 69.8162
Hunter-Lab	68.0406, 23.2125, 39.6036

# Details

The XYZ color **54.2357, 46.2953, 9.2093** 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 **29.8483, 28.7899, 98.5909**, and the grayscale version is **41.2270, 43.3740, 47.2343**.

A 20% lighter version of the original color is **67.8881, 70.3937, 23.6449**, and **26.9959, 21.7219, 2.7699** is the 20% darker color. If you saturate the color by 10%, you get **51.8557, 42.2022, 6.3612**, and if you desaturate by 10%, it is **57.1260, 50.9170, 13.7467**.

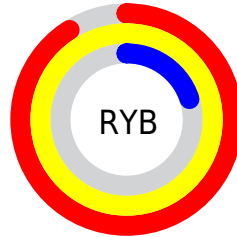
# Distribution



Red (100%)

Green (62%)

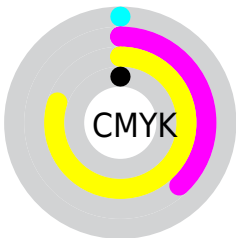
Blue (20%)



Red (91%)

Yellow (100%)

Blue (20%)

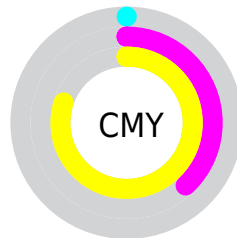


Cyan (0%)

Magenta (38%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.2357, 46.2953, 9.2093 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 54.2357, 46.2953, 9.2093 by changing the saturation by 10% instead.





 54.2357, 46.2953,  
9.2093


 54.2357, 46.2953,  
9.2093


393.1919,  
371.9946, 195.2069


 39.0216, 32.4789,  
4.7793


 95.5751, 84.6608,  
24.8814

 26.9573, 21.7276,  
2.0619


 122.4311,  
109.9786, 36.9605


 17.6776, 13.6569,  
0.5929


 153.8983,  
139.8991, 52.4265

 10.8170, 7.8824,  
0.0000

 190.3423,  
174.8066, 71.6977

 6.0103, 4.0198,  
0.0000

 232.1282,  
215.0855, 95.1929

 2.8921, 1.6846,  
0.0000

 279.6216,

 1.0969, 0.4137,

261.1202, 123.3304

0.0000

333.1877,  
313.2951, 156.5289

■ 0.0226, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.2357, 46.2953,  
9.2093

■ 54.2357, 46.2953,  
9.2093

■ 51.8557, 42.2022,  
6.3612

■ 57.1260, 50.9170,  
13.7467

■ 49.9050, 38.5903,  
4.8185

■ 60.5728, 56.0886,  
20.2049

■ 49.9047, 38.5898,  
4.8183

■ 64.6196, 61.8378,  
28.7812

■ 69.3036, 68.1875,  
39.6472

74.6586, 75.1593,  
52.9571

80.7158, 82.7729,  
68.8513

87.5041, 91.0474,  
87.4595

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



66.7527, 46.2953, 18.4727



54.2357, 46.2953, 9.2093



40.9095, 46.2953, 7.7254

# Triad

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



54.2357, 46.2953, 9.2093



23.7380, 46.2953, 60.0364



60.7917, 46.2953, 130.3477

# Complementary

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



54.2357, 46.2953, 9.2093



29.8483, 28.7899, 98.5909

# 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.



47.2471, 46.2953, 158.4447



54.2357, 46.2953, 9.2093



27.1156, 46.2953, 106.8034

# Square

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



54.2357, 46.2953, 9.2093



24.8855, 46.2953, 27.7460



35.1446, 46.2953, 148.1997



71.0235, 46.2953, 82.9192



# Rectangle

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



54.2357, 46.2953, 9.2093



33.5817, 46.2953, 10.0248



35.1446, 46.2953, 148.1997



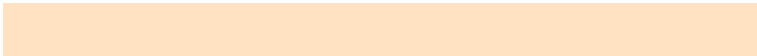
56.3823, 46.2953, 143.2053

# Sweetspot

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



54.2367, 46.2977, 9.2101



78.2064, 79.6486, 62.1730



47.8967, 25.8170, 31.1449



16.2818, 16.4714, 12.1116



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.



54.2367, 46.2977, 9.2101



50.6458, 39.9822, 5.3409



76.3573, 92.3793, 16.9389



18.8055, 19.5793, 18.9323



26.2273, 20.4659, 2.5680



2.6631, 2.2115, 0.2865



# Inverse Universe

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



29.8483, 28.7899, 98.5909



25.5611, 22.0527, 97.5171



20.7769, 10.3834, 95.5162



17.7078, 18.7873, 22.9429



13.0872, 11.0840, 50.8842



1.3825, 1.2958, 4.9905



# Previews

## White Background



This preview shows how the XYZ color 54.2357, 46.2953, 9.2093 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 54.2357, 46.2953, 9.2093 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 54.2357, 46.2953, 9.2093**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.2357, 46.2953, 9.2093.



This preview shows how white text looks on a background with the XYZ color 54.2357, 46.2953, 9.2093.



# 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

54.2357, 46.2953, 9.2093

### Protanopia

42.0951, 46.4478, 10.6176

### Deuteranopia

47.2406, 46.1963, 9.0117



## Tritanopia

58.9898, 46.3251, 40.0150

# Trichromacy



## Original Color

54.2357, 46.2953, 9.2093

## Protanomaly

45.9498, 46.0775, 10.0865

## Deuteranomaly

49.6121, 46.0280, 9.0658

## Tritanomaly

56.4742, 46.1078, 24.3355

# Monochromacy



## Original Color

54.2357, 46.2953, 9.2093

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

43.1191, 42.8250, 27.1125

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.2357, 46.2953, 9.2093 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, 159, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 51)  
}
```

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, 159, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 54.2357, 46.2953, 9.2093 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, 159, 51) }
```



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

```
.border{ border-color:rgb(255, 159, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.2357, 46.2953, 9.2093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 51) }
```

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

```
.background{ background-color: rgb(255,  
159, 51) }
```

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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