

Converting Colors

XYZ(54.9567, 46.1235, 14.4249)

Have a look what the booklet for
XYZ(54.9567, 46.1235, 14.4249)
contains.

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Color

**XYZ(54.8972, 46.0140,
14.3757)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9D54
RGB	255, 157, 84
RGB Percent	100%, 62%, 33%
CMY	0.0000, 0.3843, 0.6706
CMYK	0.00, 0.38, 0.67, 0.00
HSL	26°, 100%, 66%
HSV	26°, 67%, 100%
XYZ	54.8972, 46.0140, 14.3757
YIQ	177.9800, 81.8410, -1.9270

Conversions

Conversions Part 2

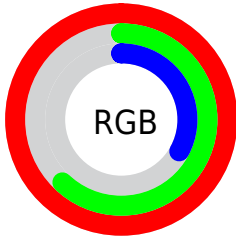
Format	Color
R _Y B	255, 211, 84
Decimal	16751956
CIE Lab	73.55, 30.39, 52.56
CIE LCh	74, 60.715, 59.969
Yxy	46.0140, 0.4762, 0.3991
Android (android.graphics.Color)	4294942036 (0xFFFF9D54)
YUV	177.9800, -46.3321, 67.5465
Hunter-Lab	67.8336, 25.7498, 34.9184

Details

The XYZ color **54.8972, 46.0140, 14.3757** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **38.4330, 42.5585, 100.7962**, and the grayscale version is **42.5146, 44.7287, 48.7095**.

A 20% lighter version of the original color is **69.2274, 70.1245, 33.1793**, and **27.3184, 21.5504, 4.1587** is the 20% darker color. If you saturate the color by 10%, you get **51.7481, 41.0340, 9.2632**, and if you desaturate by 10%, it is **58.7075, 51.7355, 21.5019**.

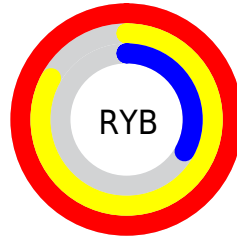
Distribution



Red (100%)

Green (62%)

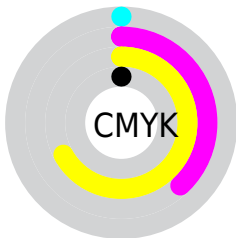
Blue (33%)



Red (100%)

Yellow (83%)

Blue (33%)

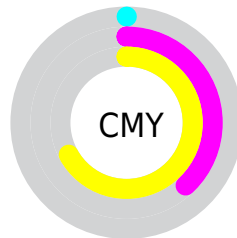


Cyan (0%)

Magenta (38%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (38%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.8972, 46.0140, 14.3757 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 54.8972, 46.0140, 14.3757 by changing the saturation by 10% instead.


 54.8972, 46.0140,
14.3757

 54.8972, 46.0140,
14.3757


395.6649,
370.8649, 231.0648


 39.5529, 32.2569,
8.2407

 96.5395, 84.2399,
34.4809


 27.3728, 21.5578,
4.1594


 123.5683,
109.4776, 49.2881


 17.9914, 13.5323,
1.7132


 155.2226,
139.3108, 67.8232

 11.0435, 7.7961,
0.3697

 191.8678,
174.1240, 90.5046

 6.1636, 3.9648,
0.0000

 233.8693,
214.3017, 117.7509

 2.9864, 1.6539,
0.0000

281.5924,

 1.1466, 0.3935,

260.2281, 149.9807

0.0000

335.4025,
312.2877, 187.6125

■ 0.0636, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.8972, 46.0140,
14.3757

■ 54.8972, 46.0140,
14.3757

■ 51.7481, 41.0340,
9.2632

■ 58.7075, 51.7355,
21.5019

■ 49.2049, 36.7510,
5.9393

■ 63.2212, 58.2254,
30.8289

■ 47.2047, 33.1241,
4.1211

■ 68.4798, 65.5173,
42.5252

■ 46.6944, 32.1691,
3.7482

■ 74.5205, 73.6403,
56.7418

81.3777, 82.6223,
73.6170

89.0835, 92.4892,
93.2791

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



64.1590, 46.0140, 25.9971



54.8972, 46.0140, 14.3757



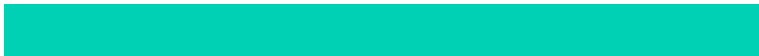
43.7459, 46.0140, 11.1930

Triad

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



54.8972, 46.0140, 14.3757



26.1738, 46.0140, 50.0699



54.8750, 46.0140, 120.7225

Complementary

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



54.8972, 46.0140, 14.3757



38.4330, 42.5585, 100.7962

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.



43.7239, 46.0140, 135.4901



54.8972, 46.0140, 14.3757



28.1827, 46.0140, 85.8043

Square

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



54.8972, 46.0140, 14.3757



28.1909, 46.0140, 25.9619



34.1986, 46.0140, 120.6658



64.1448, 46.0140, 85.8825

Rectangle

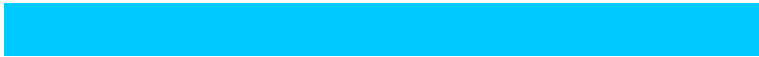
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.8972, 46.0140, 14.3757



37.0589, 46.0140, 12.5530



34.1986, 46.0140, 120.6658



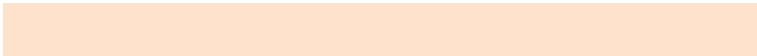
51.1682, 46.0140, 128.7089

Sweetspot

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



54.8983, 46.0164, 14.3765



79.2740, 79.8894, 68.3687



53.0358, 31.0511, 48.4086



16.5521, 16.5559, 13.6080



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.



54.8983, 46.0164, 14.3765



50.9397, 39.7033, 8.1107



74.2213, 84.6624, 20.8176



18.6470, 19.2621, 18.8795



24.5399, 17.0910, 2.0055



2.4951, 1.8755, 0.2305

Inverse Universe

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



38.4330, 42.5585, 100.7962



33.4003, 35.8940, 99.7756



26.0975, 17.8875, 96.6843



17.8673, 19.1062, 22.9961



14.9642, 14.8380, 51.5099



1.5654, 1.6616, 5.0515

Previews

White Background



This preview shows how the XYZ color 54.8972, 46.0140, 14.3757 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 54.8972, 46.0140, 14.3757 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 54.8972, 46.0140, 14.3757

Background



This preview shows how black text looks on a background with the XYZ color 54.8972, 46.0140, 14.3757.



This preview shows how white text looks on a background with the XYZ color 54.8972, 46.0140,

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

54.8972, 46.0140, 14.3757

Protanopia

42.2751, 46.0998, 16.7952

Deuteranopia

46.9410, 45.9315, 13.9810



Tritanopia

58.7396, 45.9664, 39.4947

Trichromacy



Original Color

54.8972, 46.0140, 14.3757

Protanomaly

46.0709, 45.4420, 15.7942

Deuteranomaly

49.5649, 45.8937, 14.0306

Tritanomaly

56.8649, 45.7359, 28.0211

Monochromacy



Original Color

54.8972, 46.0140, 14.3757

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.8624, 43.8849, 32.4917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8972, 46.0140, 14.3757 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 84) }
```

Border

The CSS property to change the border of an element to XYZ 54.8972, 46.0140, 14.3757 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, 84) }
```


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

```
.border{ border-color:rgb(255, 157, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8972, 46.0140, 14.3757 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, 84) }
```

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

```
.background{ background-color: rgb(255,  
157, 84) }
```

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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