

Converting Colors

XYZ(64.0910, 50.7285, 15.2020)

Have a look what the booklet for
XYZ(64.0910, 50.7285, 15.2020)
contains.

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Color

**XYZ(54.9767, 46.0458,
14.7942)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9D56
RGB	255, 157, 86
RGB Percent	100%, 62%, 34%
CMY	0.0000, 0.3843, 0.6627
CMYK	0.00, 0.38, 0.66, 0.00
HSL	25°, 100%, 67%
HSV	25°, 66%, 100%
XYZ	54.9767, 46.0458, 14.7942
YIQ	178.2080, 81.1990, -1.3050

Conversions

Conversions Part 2

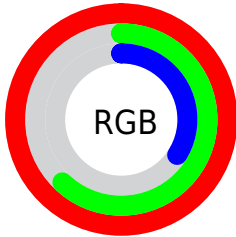
Format	Color
R _Y B	255, 208, 86
Decimal	16751958
CIE Lab	73.58, 30.50, 51.62
CIE LCh	74, 59.957, 59.426
Yxy	46.0458, 0.4747, 0.3976
Android (android.graphics.Color)	4294942038 (0xFFFF9D56)
YUV	178.2080, -45.4585, 67.3466
Hunter-Lab	67.8571, 25.8680, 34.5735

Details

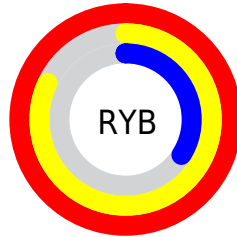
The XYZ color **54.9767, 46.0458, 14.7942** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **39.0271, 43.4771, 100.9422**, and the grayscale version is **42.6314, 44.8515, 48.8433**.

A 20% lighter version of the original color is **69.3709, 70.1819, 33.9350**, and **27.3473, 21.5620, 4.3106** is the 20% darker color. If you saturate the color by 10%, you get **51.7747, 41.0034, 9.5305**, and if you desaturate by 10%, it is **58.8499, 51.8451, 22.0896**.

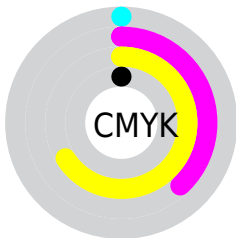
Distribution



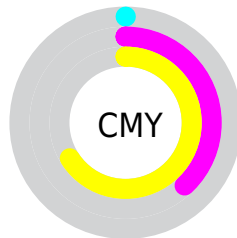
- Red (100%)
- Green (62%)
- Blue (34%)



- Red (100%)
- Yellow (82%)
- Blue (34%)



- Cyan (0%)
- Magenta (38%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.9767, 46.0458, 14.7942 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 54.9767, 46.0458, 14.7942 by changing the saturation by 10% instead.


 54.9767, 46.0458,
14.7942


 54.9767, 46.0458,
14.7942


395.9615,
370.9928, 233.7149


 39.6168, 32.2820,
8.5301


 96.6553, 84.2875,
35.2289


 27.4228, 21.5770,
4.3434


 123.7048,
109.5342, 50.2366


 18.0292, 13.5464,
1.8155


 155.3816,
139.3773, 68.9958

 11.0708, 7.8059,
0.4382

 192.0509,
174.2012, 91.9252

 6.1821, 3.9710,
0.0000

 234.0782,
214.3903, 119.4433

 2.9978, 1.6573,
0.0000

281.8288,

 1.1526, 0.3958,

260.3290, 151.9685

0.0000

335.6681,
312.4017, 189.9196

■ 0.0685, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.9767, 46.0458,
14.7942

■ 54.9767, 46.0458,
14.7942

■ 51.7747, 41.0034,
9.5305

■ 58.8499, 51.8451,
22.0896

■ 49.1889, 36.6726,
6.0763

■ 63.4365, 58.4284,
31.6019

■ 47.1579, 33.0128,
4.1595

■ 68.7780, 65.8302,
43.4982

■ 46.5120, 31.8044,
3.6874

■ 74.9117, 74.0800,
57.9285

81.8722, 83.2062,
75.0304

89.6916, 93.2352,
94.9315

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.



64.0337, 46.0458, 26.5724



54.9767, 46.0458, 14.7942



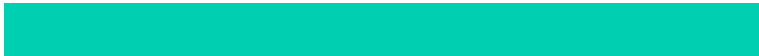
43.9699, 46.0458, 11.4809

Triad

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



54.9767, 46.0458, 14.7942



26.3795, 46.0458, 49.5530



54.5656, 46.0458, 120.1303

Complementary

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



54.9767, 46.0458, 14.7942



39.0271, 43.4771, 100.9422

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.



43.5611, 46.0458, 134.1242



54.9767, 46.0458, 14.7942



28.3004, 46.0458, 84.6428

Square

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



54.9767, 46.0458, 14.7942



28.4535, 46.0458, 25.9139



34.1919, 46.0458, 119.0852



63.7707, 46.0458, 86.0885

Rectangle

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



54.9767, 46.0458, 14.7942



37.3284, 46.0458, 12.7694



34.1919, 46.0458, 119.0852



50.9023, 46.0458, 127.8254

Sweetspot

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



54.9778, 46.0482, 14.7950



79.1801, 79.7017, 68.3375



53.2808, 31.4010, 48.9217



16.5298, 16.5112, 13.6006



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.



54.9778, 46.0482, 14.7950



50.7423, 39.3085, 8.0449



74.3501, 84.7929, 21.2525



18.6365, 19.2413, 18.8760



24.4435, 16.8982, 1.9734



2.4851, 1.8557, 0.2272

Inverse Universe

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



39.0271, 43.4771, 100.9422



33.6569, 36.4071, 99.8611



26.4532, 18.3292, 96.7509



17.8779, 19.1275, 22.9997



15.1045, 15.1186, 51.5567



1.5788, 1.6883, 5.0559

Previews

White Background



This preview shows how the XYZ color 54.9767, 46.0458, 14.7942 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 54.9767, 46.0458, 14.7942 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 54.9767, 46.0458, 14.7942

Background



This preview shows how black text looks on a background with the XYZ color 54.9767, 46.0458, 14.7942.



This preview shows how white text looks on a background with the XYZ color 54.9767, 46.0458,

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

54.9767, 46.0458, 14.7942

Protanopia

42.3637, 46.1353, 17.2619

Deuteranopia

47.0160, 45.9615, 14.3761



Tritanopia

58.7396, 45.9664, 39.4947

Trichromacy



Original Color

54.9767, 46.0458, 14.7942

Protanomaly

46.1561, 45.4760, 16.2426

Deuteranomaly

49.6410, 45.9241, 14.4315

Tritanomaly

56.9343, 45.7637, 28.3868

Monochromacy



Original Color

54.9767, 46.0458, 14.7942

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.9392, 43.9156, 32.8961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9767, 46.0458, 14.7942 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 86) }
```

Border

The CSS property to change the border of an element to XYZ 54.9767, 46.0458, 14.7942 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, 86) }
```


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

```
.border{ border-color:rgb(255, 157, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9767, 46.0458, 14.7942 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, 86) }
```

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

```
.background{ background-color: rgb(255,  
157, 86) }
```

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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