

Converting Colors

XYZ(54.8975, 46.8878, 11.6837)

Have a look what the booklet for
XYZ(54.8975, 46.8878, 11.6837)
contains.

XYZ(54.8542, 46.8190, 11.6147)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(54.8542, 46.8190,
11.6147)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA044
RGB	255, 160, 68
RGB Percent	100%, 63%, 27%
CMY	0.0000, 0.3725, 0.7333
CMYK	0.00, 0.37, 0.73, 0.00
HSL	30°, 100%, 63%
HSV	30°, 73%, 100%
XYZ	54.8542, 46.8190, 11.6147
YIQ	177.9170, 86.1520, -8.4720

Conversions

Conversions Part 2

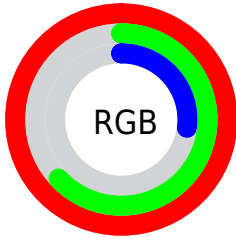
Format	Color
R _Y B	255, 249, 68
Decimal	16752708
CIE Lab	74.07, 28.04, 60.45
CIE LCh	74, 66.634, 65.116
Yxy	46.8190, 0.4842, 0.4133
Android (android.graphics.Color)	4294942788 (0xFFFFA044)
YUV	177.9170, -54.1891, 67.6018
Hunter-Lab	68.4244, 23.3564, 37.8329

Details

The XYZ color **54.8542, 46.8190, 11.6147** 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 **33.5302, 34.6415, 99.5263**, and the grayscale version is **42.5200, 44.7343, 48.7157**.

A 20% lighter version of the original color is **68.9916, 71.2414, 28.2039**, and **27.3878, 22.0757, 2.9898** is the 20% darker color. If you saturate the color by 10%, you get **52.1088, 42.3148, 7.6591**, and if you desaturate by 10%, it is **58.1739, 51.9313, 17.4307**.

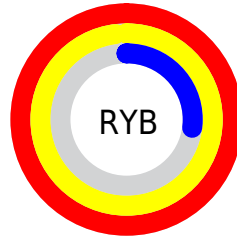
Distribution



Red (100%)

Green (63%)

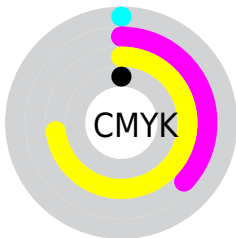
Blue (27%)



Red (100%)

Yellow (98%)

Blue (27%)

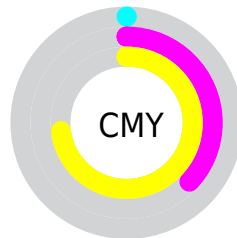


Cyan (0%)

Magenta (37%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (37%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8542, 46.8190, 11.6147 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 54.8542, 46.8190, 11.6147 by changing the saturation by 10% instead.

54.8542, 46.8190,
11.6147

54.8542, 46.8190,
11.6147

395.5044,
374.0916, 212.7241

39.5184, 32.8926,
6.3626

96.4769, 85.4434,
29.4452

27.3458, 22.0442,
2.9944

123.4944,
110.9101, 42.8607

17.9710, 13.8894,
1.0918

155.1366,
140.9925, 59.8343

11.0287, 8.0438,
0.0000

191.7688,
176.0748, 80.7847

6.1536, 4.1230,
0.0000

233.7563,
216.5415, 106.1303

2.9803, 1.7426,
0.0000

281.4645,

1.1433, 0.4510,

262.7769, 136.2897

0.0000

335.2588,
315.1655, 171.6815

■ 0.0609, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.8542, 46.8190,
11.6147

■ 54.8542, 46.8190,
11.6147

■ 52.1088, 42.3148,
7.6591

■ 58.1739, 51.9313,
17.4307

■ 49.8798, 38.3782,
5.3092

■ 62.1106, 57.6737,
25.3122

■ 48.6320, 36.0445,
4.3941

■ 66.7054, 64.0752,
35.4394

■ 71.9946, 71.1602,
47.9723

78.0115, 78.9519,
63.0558

84.7869, 87.4720,
80.8233

92.3497, 96.7410,
101.3991

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



65.9964, 46.8190, 21.7816



54.8542, 46.8190, 11.6147



42.4881, 46.8190, 9.5726

Triad

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



54.8542, 46.8190, 11.6147



25.3579, 46.8190, 57.0559



59.0239, 46.8190, 125.6963

Complementary

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



54.8542, 46.8190, 11.6147



33.5302, 34.6415, 99.5263

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.



46.5746, 46.8190, 148.2455



54.8542, 46.8190, 11.6147



28.2661, 46.8190, 98.8068

Square

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



54.8542, 46.8190, 11.6147



26.7831, 46.8190, 28.0516



35.5384, 46.8190, 136.6809



68.6892, 46.8190, 83.8745

Rectangle

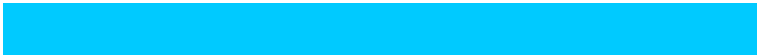
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.8542, 46.8190, 11.6147



35.4662, 46.8190, 11.6566



35.5384, 46.8190, 136.6809



54.9508, 46.8190, 136.4646

Sweetspot

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



54.8553, 46.8214, 11.6156



78.8702, 80.0450, 65.2653



50.0638, 28.0972, 38.1998



16.5106, 16.6598, 13.0177



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.



54.8553, 46.8214, 11.6156



51.0081, 40.4088, 6.3801



77.0567, 91.2243, 19.0160



18.7474, 19.4629, 18.9130



25.5602, 19.1315, 2.3456



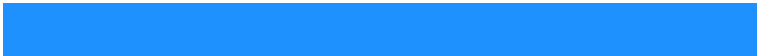
2.5977, 2.0808, 0.2647

Inverse Universe

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



33.5302, 34.6415, 99.5263



28.6663, 27.6316, 98.4303



22.6948, 12.9707, 95.9145



17.7658, 18.9032, 22.9623



13.7203, 12.3502, 51.0953



1.4452, 1.4212, 5.0114

Previews

White Background



This preview shows how the XYZ color 54.8542, 46.8190, 11.6147 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 54.8542, 46.8190, 11.6147 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 54.8542, 46.8190, 11.6147

Background



This preview shows how black text looks on a background with the XYZ color 54.8542, 46.8190, 11.6147.



This preview shows how white text looks on a background with the XYZ color 54.8542, 46.8190,

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

54.8542, 46.8190, 11.6147

Protanopia

42.7981, 47.0579, 13.3059

Deuteranopia

47.8639, 46.7513, 11.3517



Tritanopia

59.2421, 46.6868, 40.5394

Trichromacy



Original Color

54.8542, 46.8190, 11.6147

Protanomaly

46.6239, 46.6574, 12.6793

Deuteranomaly

50.2167, 46.5641, 11.3421

Tritanomaly

57.0247, 46.5954, 26.4104

Monochromacy



Original Color

54.8542, 46.8190, 11.6147

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.6040, 44.0826, 30.2027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8542, 46.8190, 11.6147 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, 160, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 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(255, 160, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 68) }
```

Border

The CSS property to change the border of an element to XYZ 54.8542, 46.8190, 11.6147 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, 160, 68) }
```


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

```
.border{ border-color:rgb(255, 160, 68) }
```

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

Here you see how a box with a 4 pixel rgb(255, 160, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8542, 46.8190, 11.6147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 68) }
```

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

```
.background{ background-color: rgb(255,  
160, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor