

Converting Colors

XYZ(59.2829, 48.9376, 11.4167)

Have a look what the booklet for
XYZ(59.2829, 48.9376, 11.4167)
contains.

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Color

**XYZ(54.6215, 46.4496,
11.2411)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF9F42 |
| RGB | 255, 159, 66 |
| RGB Percent | 100%, 62%, 26% |
| CMY | 0.0000, 0.3764, 0.7412 |
| CMYK | 0.00, 0.38, 0.74, 0.00 |
| HSL | 30°, 100%, 63% |
| HSV | 30°, 74%, 100% |
| XYZ | 54.6215, 46.4496, 11.2411 |
| YIQ | 177.1020, 87.0690, -8.5710 |

Conversions

Conversions Part 2

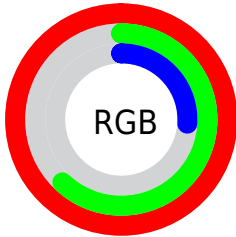
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 249, 66 |
| Decimal | 16752450 |
| CIE Lab | 73.84, 28.47, 61.07 |
| CIE LCh | 74, 67.378, 65.002 |
| Yxy | 46.4496, 0.4863, 0.4136 |
| Android (android.graphics.Color) | 4294942530 (0xFFFF9F42) |
| YUV | 177.1020, -54.7733, 68.3165 |
| Hunter-Lab | 68.1539, 23.7882, 37.9287 |

Details

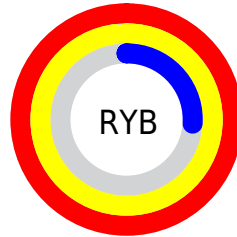
The XYZ color **54.6215, 46.4496, 11.2411** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **33.2163, 34.2172, 99.4610**, and the grayscale version is **42.0916, 44.2837, 48.2249**.

A 20% lighter version of the original color is **68.6163, 70.6850, 27.4799**, and **27.2610, 21.8572, 2.8395** is the 20% darker color. If you saturate the color by 10%, you get **51.9188, 41.9915, 7.4214**, and if you desaturate by 10%, it is **57.8945, 51.5133, 16.9034**.

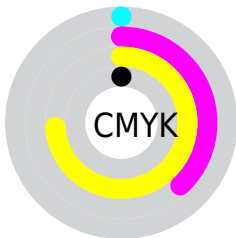
Distribution



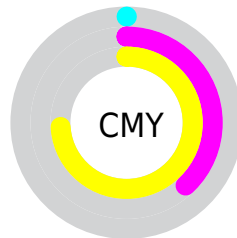
- Red (100%)
- Green (62%)
- Blue (26%)



- Red (100%)
- Yellow (98%)
- Blue (26%)



- Cyan (0%)
- Magenta (38%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.6215, 46.4496, 11.2411 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 54.6215, 46.4496, 11.2411 by changing the saturation by 10% instead.


 54.6215, 46.4496,
11.2411


 54.6215, 46.4496,
11.2411


394.6354,
372.6133, 210.1107


 39.3314, 32.6008,
6.1130


 96.1377, 84.8915,
28.7486


 27.1995, 21.8208,
2.8440


 123.0946,
110.2533, 41.9651


 17.8605, 13.7253,
1.0156


 154.6711,
140.2215, 58.7148

 10.9490, 7.9298,
0.0000

 191.2325,
175.1806, 79.4163

 6.0996, 4.0501,
0.0000

 233.1443,
215.5149, 104.4881

 2.9469, 1.7016,
0.0000

280.7718,

 1.1258, 0.4247,

261.6089, 134.3487

0.0000

334.4804,
313.8469, 169.4168

■ 0.0465, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.6215, 46.4496,
11.2411

■ 54.6215, 46.4496,
11.2411

■ 51.9188, 41.9915,
7.4214

■ 57.8945, 51.5133,
16.9034

■ 49.7278, 38.0980,
5.1848

■ 61.7810, 57.2047,
24.6159

■ 48.6347, 36.0499,
4.3950

■ 66.3226, 63.5530,
34.5610

■ 71.5558, 70.5830,
46.8996

77.5141, 78.3176,
61.7780

84.2284, 86.7787,
79.3303

91.7278, 95.9871,
99.6814

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.



65.8452, 46.4496, 21.3774



54.6215, 46.4496, 11.2411



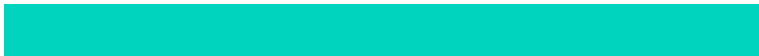
42.1698, 46.4496, 9.2021

Triad

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



54.6215, 46.4496, 11.2411



24.9403, 46.4496, 56.5517



58.7317, 46.4496, 126.1929

Complementary

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



54.6215, 46.4496, 11.2411



33.2163, 34.2172, 99.4610

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.



46.1891, 46.4496, 148.9354



54.6215, 46.4496, 11.2411



27.8340, 46.4496, 98.6676

Square

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



54.6215, 46.4496, 11.2411



26.3826, 46.4496, 27.4973



35.1086, 46.4496, 137.0787



68.5033, 46.4496, 83.9085

Rectangle

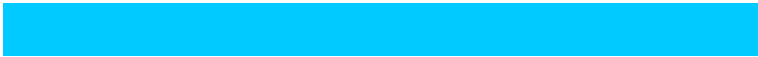
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.6215, 46.4496, 11.2411



35.1072, 46.4496, 11.2419



35.1086, 46.4496, 137.0787



54.6233, 46.4496, 137.0745

Sweetspot

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



54.6226, 46.4520, 11.2420



78.8715, 80.0475, 65.2657



49.8575, 27.8244, 37.6999



16.5109, 16.6604, 13.0178



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.



54.6226, 46.4520, 11.2420



50.7890, 40.0217, 6.1498



76.9863, 91.1794, 18.6965



18.7475, 19.4632, 18.9130



25.5616, 19.1344, 2.3461



2.5979, 2.0811, 0.2648

Inverse Universe

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



33.2163, 34.2172, 99.4610



28.4007, 27.2084, 98.3626



22.4344, 12.6534, 95.8670



17.7657, 18.9030, 22.9622



13.7189, 12.3473, 51.0948



1.4451, 1.4209, 5.0114

Previews

White Background



This preview shows how the XYZ color 54.6215, 46.4496, 11.2411 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 54.6215, 46.4496, 11.2411 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 54.6215, 46.4496, 11.2411

Background



This preview shows how black text looks on a background with the XYZ color 54.6215, 46.4496, 11.2411.



This preview shows how white text looks on a background with the XYZ color 54.6215, 46.4496,

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

54.6215, 46.4496, 11.2411

Protanopia

42.5591, 46.6334, 13.0614

Deuteranopia

47.4916, 46.5658, 11.0425



Tritanopia

58.9898, 46.3251, 40.0150

Trichromacy



Original Color

54.6215, 46.4496, 11.2411

Protanomaly

46.3657, 46.2439, 12.2766

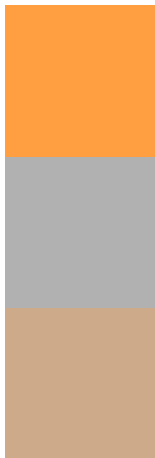
Deuteranomaly

49.8249, 46.3687, 11.0266

Tritanomaly

56.7921, 46.2350, 26.0096

Monochromacy



Original Color

54.6215, 46.4496, 11.2411

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.0669, 43.5347, 29.7474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.6215, 46.4496, 11.2411 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 66) }
```

Border

The CSS property to change the border of an element to XYZ 54.6215, 46.4496, 11.2411 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, 66) }
```


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

```
.border{ border-color:rgb(255, 159, 66) }
```

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, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 54.6215, 46.4496, 11.2411 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, 66) }
```

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

```
.background{ background-color: rgb(255,  
159, 66) }
```

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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