

Converting Colors

XYZ(55.2303, 46.5077, 15.0186)

Have a look what the booklet for
XYZ(55.2303, 46.5077, 15.0186)
contains.

XYZ(55.1872, 46.4018, 15.0646)	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(55.1872, 46.4018,
15.0646)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E57
RGB	255, 158, 87
RGB Percent	100%, 62%, 34%
CMY	0.0000, 0.3804, 0.6588
CMYK	0.00, 0.38, 0.66, 0.00
HSL	25°, 100%, 67%
HSV	25°, 66%, 100%
XYZ	55.1872, 46.4018, 15.0646
YIQ	178.9090, 80.6030, -1.5170

Conversions

Conversions Part 2

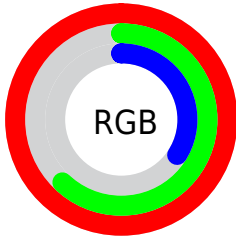
Format	Color
R_{YB}	255, 210, 87
Decimal	16752215
CIE _{Lab}	73.81, 30.04, 51.40
CIE _{LCh}	74, 59.528, 59.698
Yxy	46.4018, 0.4731, 0.3978
Android (android.graphics.Color)	4294942295 (0xFFFF9E57)
YUV	178.9090, -45.3111, 66.7318
Hunter-Lab	68.1189, 25.4056, 34.5711

Details

The XYZ color **55.1872, 46.4018, 15.0646** 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 **39.1200, 43.5251, 100.9467**, and the grayscale version is **43.0041, 45.2437, 49.2704**.

A 20% lighter version of the original color is **69.6945, 70.7126, 34.4017**, and **27.4803, 21.7791, 4.5057** is the 20% darker color. If you saturate the color by 10%, you get **51.9610, 41.3328, 9.7255**, and if you desaturate by 10%, it is **59.0842, 52.2244, 22.4425**.

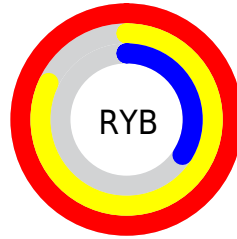
Distribution



Red (100%)

Green (62%)

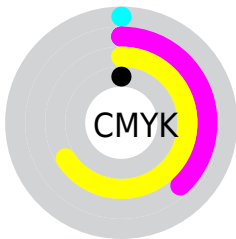
Blue (34%)



Red (100%)

Yellow (82%)

Blue (34%)

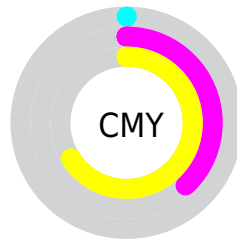


Cyan (0%)

Magenta (38%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1872, 46.4018, 15.0646 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 55.1872, 46.4018, 15.0646 by changing the saturation by 10% instead.


 55.1872, 46.4018,
15.0646


 55.1872, 46.4018,
15.0646


396.7460,
372.4217, 235.4111

 39.7861, 32.5630,
8.7176

 96.9619, 84.8200,
35.7104

 27.5552, 21.7919,
4.4632


 124.0662,
110.1682, 50.8462


 18.1294, 13.7041,
1.8827


 155.8022,
140.1217, 69.7488

 11.1432, 7.9151,
0.4817

 192.5353,
175.0648, 92.8366

 6.2312, 4.0407,
0.0000

 234.6309,
215.3819, 120.5282

 3.0282, 1.6963,
0.0000

282.4543,

 1.1687, 0.4213,

261.4576, 153.2421

0.0000

336.3709,
313.6760, 191.3969

■ 0.0814, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.1872, 46.4018,
15.0646

■ 55.1872, 46.4018,
15.0646

■ 51.9610, 41.3328,
9.7255

■ 59.0842, 52.2244,
22.4425

■ 49.3510, 36.9728,
6.2046

■ 63.6937, 58.8275,
32.0434

■ 47.2967, 33.2815,
4.2329

■ 69.0571, 66.2450,
44.0335

■ 46.5789, 31.9380,
3.7097

■ 75.2114, 74.5063,
58.5623

82.1910, 83.6393,
75.7670

90.0278, 93.6703,
95.7748

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.



64.2443, 46.4018, 26.8037



55.1872, 46.4018, 15.0646



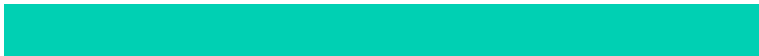
44.2110, 46.4018, 11.7836

Triad

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



55.1872, 46.4018, 15.0646



26.7252, 46.4018, 50.2167



54.9715, 46.4018, 119.9290

Complementary

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



55.1872, 46.4018, 15.0646



39.1200, 43.5251, 100.9467

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.



43.9962, 46.4018, 134.0695



55.1872, 46.4018, 15.0646



28.6848, 46.4018, 85.2412

Square

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



55.1872, 46.4018, 15.0646



28.7655, 46.4018, 26.4561



34.6131, 46.4018, 119.3825



64.1064, 46.4018, 85.9985

Rectangle

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



55.1872, 46.4018, 15.0646



37.5947, 46.4018, 13.1230



34.6131, 46.4018, 119.3825



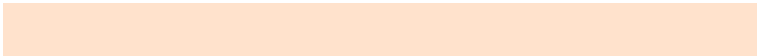
51.3233, 46.4018, 127.6409

Sweetspot

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



55.1883, 46.4042, 15.0655



79.2147, 79.7708, 68.3490



53.4052, 31.5795, 49.1800



16.5380, 16.5276, 13.6033



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.



55.1883, 46.4042, 15.0655



51.0837, 39.8988, 8.4437



74.4154, 84.8585, 21.4745



18.6404, 19.2489, 18.8773



24.4788, 16.9688, 1.9851



2.4888, 1.8629, 0.2284

Inverse Universe

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



39.1200, 43.5251, 100.9467



33.8951, 36.6875, 99.9027



26.6345, 18.5541, 96.7848



17.8740, 19.1197, 22.9984



15.0526, 15.0147, 51.5394



1.5739, 1.6784, 5.0543

Previews

White Background



This preview shows how the XYZ color 55.1872, 46.4018, 15.0646 looks on a white background.

Color Contrast Check

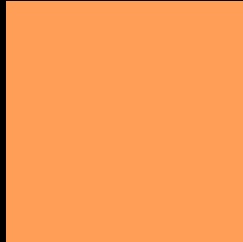
Large Text (above 18pt) WCAG AA × Fail

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 55.1872, 46.4018, 15.0646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

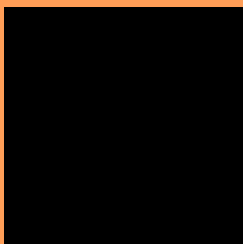
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.1872, 46.4018, 15.0646

Background



This preview shows how black text looks on a background with the XYZ color 55.1872, 46.4018, 15.0646.



This preview shows how white text looks on a background with the XYZ color 55.1872, 46.4018,

15.0646.

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

55.1872, 46.4018, 15.0646

Protanopia

42.8809, 46.6996, 17.5803

Deuteranopia

47.5562, 46.5192, 14.6562



Tritanopia

58.9898, 46.3251, 40.0150

Trichromacy



Original Color

55.1872, 46.4018, 15.0646

Protanomaly

46.6941, 46.0320, 16.5492

Deuteranomaly

50.1949, 46.4782, 14.7131

Tritanomaly

57.1688, 46.1205, 28.8107

Monochromacy



Original Color

55.1872, 46.4018, 15.0646

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.4833, 44.4665, 33.3798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1872, 46.4018, 15.0646 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, 158, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 87)  
}
```

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, 158, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 87) }
```

Border

The CSS property to change the border of an element to XYZ 55.1872, 46.4018, 15.0646 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, 158, 87) }
```


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

```
.border{ border-color:rgb(255, 158, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1872, 46.4018, 15.0646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 87) }
```

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

```
.background{ background-color: rgb(255,  
158, 87) }
```

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