

# Converting Colors

XYZ(55.4927, 46.7039, 18.5384)

Have a look what the booklet for  
XYZ(55.4927, 46.7039, 18.5384)  
contains.

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# Color

**XYZ(55.6695, 46.8264,  
18.6747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE9F66
RGB	254, 159, 102
RGB Percent	100%, 62%, 40%
CMY	0.0039, 0.3764, 0.6000
CMYK	0.00, 0.37, 0.60, 0.00
HSL	23°, 99%, 70%
HSV	23°, 60%, 100%
XYZ	55.6695, 46.8264, 18.6747
YIQ	180.9070, 74.9170, 2.4130

# Conversions

## Conversions Part 2

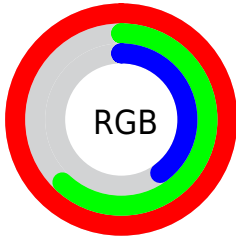
Format	Color
<b>R<sub>YB</sub></b>	254, 193, 102
Decimal	16686950
CIE <sub>Lab</sub>	74.08, 30.07, 44.19
CIE <sub>LCh</sub>	74, 53.449, 55.764
Yxy	46.8264, 0.4594, 0.3865
Android (android.graphics.Color)	4294877030 (0xFFFE9F66)
YUV	180.9070, -38.9012, 64.1026
Hunter-Lab	68.4298, 25.4624, 31.7205

# Details

The XYZ color **55.6695, 46.8264, 18.6747** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.3340, 49.9106, 101.1153**, and the grayscale version is **44.0471, 46.3410, 50.4654**.

A 20% lighter version of the original color is **71.1193, 71.6862, 40.6603**, and **27.8926, 22.1099, 6.1657** is the 20% darker color. If you saturate the color by 10%, you get **52.0409, 41.2859, 12.1738**, and if you desaturate by 10%, it is **60.0367, 53.2272, 27.3259**.

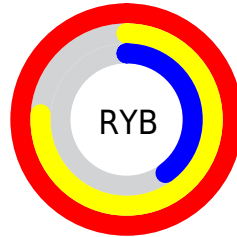
# Distribution



Red (100%)

Green (62%)

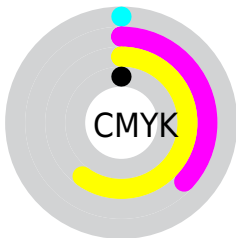
Blue (40%)



Red (100%)

Yellow (76%)

Blue (40%)

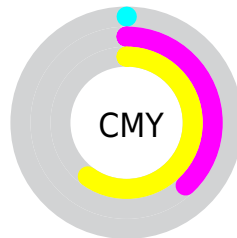


Cyan (0%)

Magenta (37%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6695, 46.8264, 18.6747 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 55.6695, 46.8264, 18.6747 by changing the saturation by 10% instead.



55.6695, 46.8264,  
18.6747

55.6695, 46.8264,  
18.6747

398.5400,  
374.1212, 257.0096

40.1740, 32.8984,  
11.2610

97.6638, 85.4544,  
42.0130

27.8590, 22.0487,  
6.1263

124.8933,  
110.9233, 58.7748

18.3593, 13.8927,  
2.8520

156.7648,  
141.0079, 79.4897

11.3095, 8.0460,  
1.0196

193.6437,  
176.0927, 104.5762

6.3442, 4.1244,  
0.0000

235.8953,  
216.5620, 134.4529

3.0982, 1.7434,  
0.0000

283.8850,

1.2059, 0.4515,

262.8003, 169.5383

0.0000

337.9781,  
315.1918, 210.2511

■ 0.1110, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.6695, 46.8264,  
18.6747

■ 55.6695, 46.8264,  
18.6747

■ 52.0409, 41.2859,  
12.1738

■ 60.0367, 53.2272,  
27.3259

■ 49.0978, 36.5573,  
7.6239

■ 65.1837, 60.5189,  
38.2970

■ 46.7837, 32.5976,  
4.7919

■ 71.1521, 68.7393,  
51.7437

■ 45.0135, 29.3484,  
3.3039

■ 77.9793, 77.9214,  
67.8070

■ 44.9885, 29.3021,  
3.2847

■ 85.7004, 88.0968,  
86.6175

■ 94.3482, 99.2952,  
108.2968

■ 94.6829, 99.8108,  
108.8828

# Harmonies

## Analogous

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



63.1973, 46.8264, 31.3574



55.6695, 46.8264, 18.6747



45.8786, 46.8264, 14.4457

# Triad

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



55.6695, 46.8264, 18.6747



28.5782, 46.8264, 47.1956



52.9839, 46.8264, 114.6042

# Complementary

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



55.6695, 46.8264, 18.6747



43.3340, 49.9106, 101.1153

# 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.



43.1631, 46.8264, 123.5602



55.6695, 46.8264, 18.6747



29.9213, 46.8264, 77.4599

# Square

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



55.6695, 46.8264, 18.6747



30.9753, 46.8264, 26.7345



34.9464, 46.8264, 108.0607



61.4975, 46.8264, 86.7056



# Rectangle

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



55.6695, 46.8264, 18.6747



39.6981, 46.8264, 15.2523



34.9464, 46.8264, 108.0607



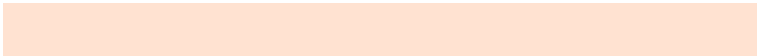
49.6896, 46.8264, 120.2772

# Sweetspot

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



55.6706, 46.8288, 18.6756



80.0429, 80.4322, 71.6928



55.8483, 34.6634, 57.3349



16.6734, 16.6054, 14.2439



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.



55.6706, 46.8288, 18.6756



51.8059, 40.5515, 11.1255



72.6182, 80.7239, 24.3248



18.5675, 19.1032, 18.8530



23.8485, 15.7082, 1.7750



2.4229, 1.7311, 0.2064



# Inverse Universe

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



43.3340, 49.9106, 101.1153



38.2670, 43.7528, 101.0360



30.3616, 23.9657, 96.7912



17.9489, 19.2694, 23.0233



16.0908, 17.0913, 51.8855



1.6718, 1.8742, 5.0869



# Previews

## White Background



This preview shows how the XYZ color 55.6695, 46.8264, 18.6747 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 55.6695, 46.8264, 18.6747 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 55.6695, 46.8264, 18.6747**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.6695, 46.8264, 18.6747.



This preview shows how white text looks on a background with the XYZ color 55.6695, 46.8264,



# 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

55.6695, 46.8264, 18.6747

### Protanopia

43.6221, 47.2940, 21.8685

### Deuteranopia

47.8196, 46.8609, 18.3291



## Tritanopia

59.3321, 46.7228, 41.0132

# Trichromacy



## Original Color

55.6695, 46.8264, 18.6747

## Protanomaly

47.3580, 46.5705, 20.6803

## Deuteranomaly

50.4199, 46.7885, 18.4303

## Tritanomaly

57.7691, 46.6258, 31.1542

# Monochromacy



## Original Color

55.6695, 46.8264, 18.6747

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

46.6235, 45.5640, 36.0432

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.6695, 46.8264, 18.6747 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(254, 159, 102)` looks like.

```
.text, #text, p{  
    color:rgb(254, 159, 102)  
}
```

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(254, 159, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 159, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 55.6695, 46.8264, 18.6747 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(254, 159, 102) }
```



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

```
.border{ border-color:rgb(254, 159, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 159, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 159, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 159, 102);  
box-shadow:4px 4px 4px 4px rgb(254, 159,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.6695, 46.8264, 18.6747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 159, 102) }
```

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

```
.background{ background-color: rgb(254,  
159, 102) }
```

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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