

# Converting Colors

XYZ(57.5570, 48.6622, 23.4996)

Have a look what the booklet for  
XYZ(57.5570, 48.6622, 23.4996)  
contains.

<b>XYZ(57.6072, 48.7624, 23.5154)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(57.6072, 48.7624,  
23.5154)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA376
RGB	255, 163, 118
RGB Percent	100%, 64%, 46%
CMY	0.0000, 0.3608, 0.5372
CMYK	0.00, 0.36, 0.54, 0.00
HSL	20°, 100%, 73%
HSV	20°, 54%, 100%
XYZ	57.6072, 48.7624, 23.5154
YIQ	185.3780, 69.2770, 5.5090

# Conversions

## Conversions Part 2

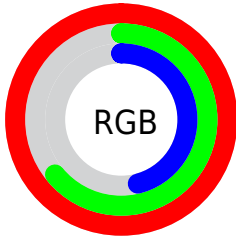
Format	Color
R <sub>Y</sub> B	255, 185, 118
Decimal	16753526
CIE Lab	75.30, 29.59, 37.43
CIE LCh	75, 47.710, 51.668
Yxy	48.7624, 0.4435, 0.3754
Android (android.graphics.Color)	4294943606 (0xFFFFA376)
YUV	185.3780, -33.2174, 61.0585
Hunter-Lab	69.8301, 25.0532, 28.9150

# Details

The XYZ color **57.6072, 48.7624, 23.5154** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.5665, 57.1619, 103.0809**, and the grayscale version is **46.4781, 48.8986, 53.2506**.

A 20% lighter version of the original color is **73.6621, 74.3431, 48.9953**, and **29.1558, 23.1836, 8.5684** is the 20% darker color. If you saturate the color by 10%, you get **53.4546, 42.5635, 15.6388**, and if you desaturate by 10%, it is **62.5834, 55.9533, 33.6879**.

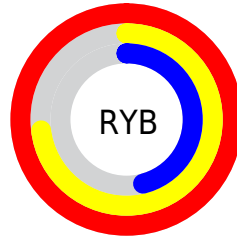
# Distribution



Red (100%)

Green (64%)

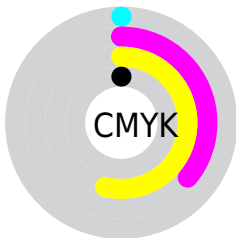
Blue (46%)



Red (100%)

Yellow (73%)

Blue (46%)

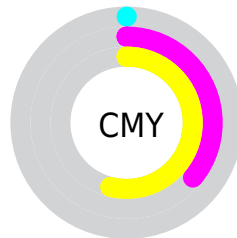


Cyan (0%)

Magenta (36%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6072, 48.7624, 23.5154 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 57.6072, 48.7624, 23.5154 by changing the saturation by 10% instead.





 57.6072, 48.7624,  
23.5154


 57.6072, 48.7624,  
23.5154


405.6982,  
381.8062, 283.5685

 41.7350, 34.4310,  
14.7657

 100.4769, 88.3385,  
50.1721

 29.0840, 23.2249,  
8.5103


 128.2051,  
114.3520, 68.9162

 19.2890, 14.7597,  
4.3308


 160.6159,  
145.0283, 91.8288

 11.9845, 8.6509,  
1.8085

198.0749,  
180.7518, 119.3284

 6.8053, 4.5142,  
0.4335

240.9472,  
221.9070, 151.8337

 3.3859, 1.9651,  
0.0000

289.5983,

 1.3609, 0.5871,

268.8782, 189.7631

0.0000

344.3935,  
322.0498, 233.5352

■ 0.2281, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.6072, 48.7624,  
23.5154

■ 57.6072, 48.7624,  
23.5154

■ 53.4546, 42.5635,  
15.6388

■ 62.5834, 55.9533,  
33.6879

■ 50.0718, 37.3029,  
9.8716

■ 68.4251, 64.1720,  
46.3169

■ 47.4032, 32.9322,  
6.0022

■ 75.1757, 73.4611,  
61.5520

■ 45.3821, 29.3947,  
3.7721

■ 82.8740, 83.8587,  
79.5296

■ 44.3923, 27.5650,  
2.9808

■ 91.5568, 95.4008,  
100.3767

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.



63.8432, 48.7624, 37.1898



57.6072, 48.7624, 23.5154



48.8328, 48.7624, 18.2210

# Triad

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



57.6072, 48.7624, 23.5154



31.5897, 48.7624, 46.4016



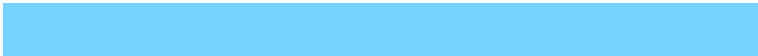
52.8537, 48.7624, 111.7792

# Complementary

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



57.6072, 48.7624, 23.5154



48.5665, 57.1619, 103.0809

# 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.



43.9474, 48.7624, 116.6138



57.6072, 48.7624, 23.5154



32.3809, 48.7624, 72.9874

# Square

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



57.6072, 48.7624, 23.5154



34.3424, 48.7624, 28.4290



36.6593, 48.7624, 100.6780



60.8668, 48.7624, 89.0147



# Rectangle

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



57.6072, 48.7624, 23.5154



43.0210, 48.7624, 18.4613



36.6593, 48.7624, 100.6780



49.8405, 48.7624, 115.7910

# Sweetspot

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



57.6084, 48.7649, 23.5163



81.0376, 81.3940, 75.1918



59.5538, 38.9513, 66.4138



16.9990, 16.9552, 15.2812



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.



57.6084, 48.7649, 23.5163



53.3517, 42.4065, 15.4528



72.7743, 79.0966, 28.5716



18.4967, 18.9616, 18.8294



23.3168, 14.6448, 1.5978

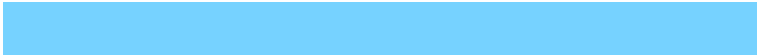


2.3652, 1.6159, 0.1872



# Inverse Universe

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



48.5665, 57.1619, 103.0809



43.4206, 51.4389, 102.2479



35.3615, 30.7520, 98.6793



18.0225, 19.4166, 23.0478



17.2059, 19.3213, 52.2571



1.7752, 2.0811, 5.1214



# Previews

## White Background



This preview shows how the XYZ color 57.6072, 48.7624, 23.5154 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

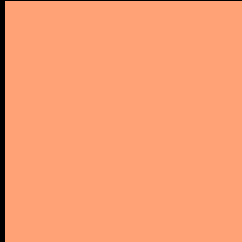
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6072, 48.7624, 23.5154 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 57.6072, 48.7624, 23.5154

## Background



This preview shows how black text looks on a background with the XYZ color 57.6072, 48.7624, 23.5154.



This preview shows how white text looks on a background with the XYZ color 57.6072, 48.7624,



# 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

57.6072, 48.7624, 23.5154

### Protanopia

45.4771, 49.0676, 27.1528

### Deuteranopia

50.0662, 49.0861, 23.0555



## Tritanopia

60.6283, 48.5783, 43.7172

# Trichromacy



## Original Color

57.6072, 48.7624, 23.5154

## Protanomaly

49.3773, 48.6682, 25.8602

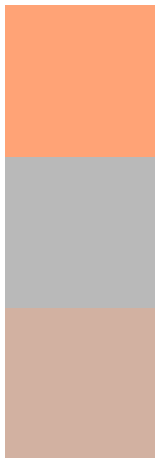
## Deuteranomaly

52.6880, 48.9810, 23.2003

## Tritanomaly

59.3158, 48.6036, 35.1093

# Monochromacy



## Original Color

57.6072, 48.7624, 23.5154

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

48.7335, 47.7191, 40.3604

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6072, 48.7624, 23.5154 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, 163, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 118)  
}
```

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, 163, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6072, 48.7624, 23.5154 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, 163, 118) }
```



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

```
.border{ border-color:rgb(255, 163, 118) }
```

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

Here you see how a box with a 4 pixel rgb(255, 163, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6072, 48.7624, 23.5154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 118) }
```

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

```
.background{ background-color: rgb(255,  
163, 118) }
```

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