

# Converting Colors

Yxy(64.3748, 0.4966, 0.3580)

Have a look what the booklet for  
Yxy(64.3748, 0.4966, 0.3580)  
contains.

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# **Color**

**Yxy(47.8068, 0.4418, 0.3685)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFA07A
RGB	255, 160, 122
RGB Percent	100%, 63%, 48%
CMY	0.0001, 0.3725, 0.5217
CMYK	0.00, 0.37, 0.52, 0.00
HSL	17°, 100%, 74%
HSV	17°, 52%, 100%
XYZ	57.3163, 47.8068, 24.6104
YIQ	184.0730, 68.8180, 8.3220

# Conversions

## Conversions Part 2

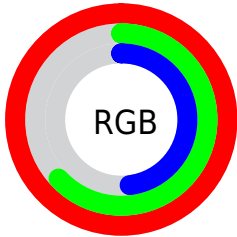
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 175, 122
Decimal	16752762
CIE Lab	74.70, 31.46, 34.56
CIE LCh	75, 46.734, 47.681
Yxy	47.8068, 0.4418, 0.3685
Android (android.graphics.Color)	4294942842 (0xFFFFA07A)
YUV	184.0730, -30.6020, 62.2030
Hunter-Lab	69.1425, 26.9699, 27.2961

# Details

The Yxy color **47.8068, 0.4418, 0.3685** is a light color, and the websafe version is hex **FF9966**, and the color name is **lightsalmon**. A complement of this color would be **60.9443, 0.2360, 0.2828**, and the grayscale version is **48.1199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9560, 0.3719, 0.3703**, and **22.5985, 0.4772, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **41.4007, 0.4785, 0.3737**, and if you desaturate by 10%, it is **55.3076, 0.4085, 0.3615**.

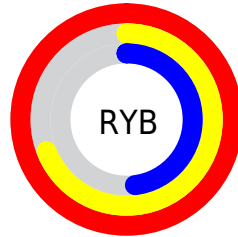
# Distribution



Red (100%)

Green (63%)

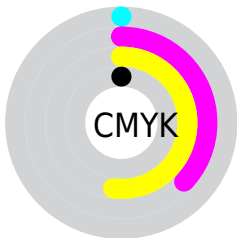
Blue (48%)



Red (100%)

Yellow (69%)

Blue (48%)

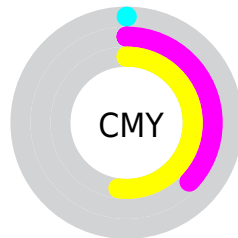


Cyan (0%)

Magenta (37%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (37%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8068, 0.4418, 0.3685 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 Yxy color 47.8068, 0.4418, 0.3685 by changing the saturation by 10% instead.





 47.8068, 0.4418,  
0.3685

 47.8068, 0.4418,  
0.3685


378.0258, 0.3775,  
0.3527

 33.6739, 0.4573,  
0.3711


 86.9167, 0.4187,  
0.3637

 22.6432, 0.4768,  
0.3736


 112.6625, 0.4100,  
0.3617

 14.3303, 0.5017,  
0.3754


 143.0480, 0.4025,  
0.3598

 8.3507, 0.5342,  
0.3754

178.4577, 0.3961,  
0.3581

 4.3202, 0.5798,  
0.3719

219.2759, 0.3905,  
0.3565

 1.8542, 0.6432,  
0.3568

265.8871, 0.3856,

 0.5206, 0.7197,

0.3551

0.2803

318.6756, 0.3813,  
0.3538

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.8068, 0.4418,  
0.3685

47.8068, 0.4418,  
0.3685

41.4007, 0.4785,  
0.3737

55.3076, 0.4085,  
0.3615

36.0290, 0.5167,  
0.3759

63.9454, 0.3795,  
0.3537

31.6357, 0.5532,  
0.3739

73.7687, 0.3546,  
0.3457

28.1559, 0.5841,  
0.3672

84.8212, 0.3337,  
0.3379

■ 26.0127, 0.6028,  
0.3596

■ 97.1441, 0.3161,  
0.3305

99.9957, 0.3127,  
0.3290

# Harmonies

## Analogous

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



47.8068, 0.4194, 0.3193



47.8068, 0.4418, 0.3685



47.8068, 0.4251, 0.4147

# Triad

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



47.8068, 0.4418, 0.3685



47.8068, 0.2570, 0.3924



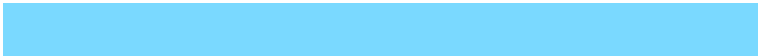
47.8068, 0.2422, 0.2290

# Complementary

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



47.8068, 0.4418, 0.3685



60.9443, 0.2360, 0.2828

# 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.



47.8068, 0.2081, 0.2365



47.8068, 0.4418, 0.3685



47.8068, 0.2151, 0.3253

# Square

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



47.8068, 0.4418, 0.3685



47.8068, 0.3165, 0.4396



47.8068, 0.1986, 0.2688



47.8068, 0.2980, 0.2432



# Rectangle

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



47.8068, 0.4418, 0.3685



47.8068, 0.3963, 0.4376



47.8068, 0.1986, 0.2688



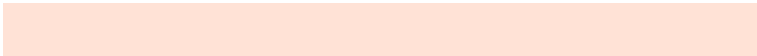
47.8068, 0.2282, 0.2289

# Sweetspot

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



47.8092, 0.4418, 0.3685



80.4479, 0.3413, 0.3408



40.1936, 0.3545, 0.2346



16.7314, 0.3456, 0.3424



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.8092, 0.4418, 0.3685



40.9200, 0.4817, 0.3740



77.1400, 0.4030, 0.4319



18.8332, 0.3287, 0.3359



13.8136, 0.5999, 0.3619



1.5219, 0.5779, 0.3794



# Inverse Universe

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



60.9443, 0.2360, 0.2828



55.2411, 0.2235, 0.2713



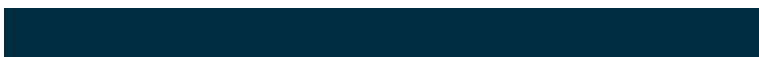
33.4206, 0.2188, 0.1970



19.5517, 0.2980, 0.3220



21.5338, 0.1980, 0.2329



2.2835, 0.2014, 0.2451



# Previews

## White Background



This preview shows how the Yxy color 47.8068, 0.4418, 0.3685 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 Yxy color 47.8068, 0.4418, 0.3685 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](#).

**Yxy 47.8068, 0.4418, 0.3685**

## Background



This preview shows how black text looks on a background with the Yxy color 47.8068, 0.4418, 0.3685.



This preview shows how white text looks on a background with the Yxy color 47.8068, 0.4418, 0.3685.

# 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

47.8068, 0.4418, 0.3685

### Protanopia

47.9527, 0.3677, 0.3954

### Deuteranopia

47.9122, 0.4048, 0.3959



## Tritanopia

47.8270, 0.3992, 0.3177

# Trichromacy



## Original Color

47.8068, 0.4418, 0.3685



## Protanomaly

47.2785, 0.3947, 0.3853



## Deuteranomaly

47.5979, 0.4185, 0.3853



## Tritanomaly

47.6083, 0.4151, 0.3356

# Monochromacy



## Original Color

47.8068, 0.4418, 0.3685



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

46.9348, 0.3567, 0.3464

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.8068, 0.4418, 0.3685 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 47.8068, 0.4418, 0.3685 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, 122) }
```

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

```
.border{ border-color:rgb(255, 160, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.8068, 0.4418, 0.3685 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, 122) }
```

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

```
.background{ background-color: rgb(255,  
160, 122) }
```

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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