

# Converting Colors

$Y_{xy}(47.1105, 0.4706, 0.3990)$

Have a look what the booklet for  
Yxy(47.1105, 0.4706, 0.3990)  
contains.

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# Color

**Yxy(47.1062, 0.4707, 0.3990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA058
RGB	255, 160, 88
RGB Percent	100%, 63%, 35%
CMY	0.0000, 0.3725, 0.6551
CMYK	0.00, 0.37, 0.66, 0.00
HSL	26°, 100%, 67%
HSV	26°, 66%, 100%
XYZ	55.5711, 47.1062, 15.3833
YIQ	180.1970, 79.7320, -2.2520

# Conversions

## Conversions Part 2

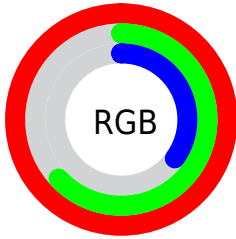
Format	Color
R <sub>Y</sub> B	255, 215, 88
Decimal	16752728
CIE Lab	74.26, 29.05, 51.45
CIE LCh	74, 59.086, 60.548
Yxy	47.1062, 0.4707, 0.3990
Android (android.graphics.Color)	4294942808 (0xFFFFA058)
YUV	180.1970, -45.4531, 65.6022
Hunter-Lab	68.6340, 24.4174, 34.7548

# Details

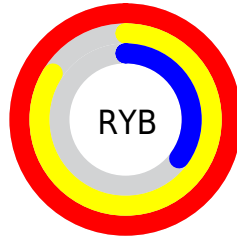
The Yxy color **47.1062, 0.4707, 0.3990** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.1322, 0.2131, 0.2357**, and the grayscale version is **45.9685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7543, 0.3971, 0.4054**, and **22.1962, 0.5084, 0.4076** is the 20% darker color. If you saturate the color by 10%, you get **42.0193, 0.5016, 0.4028**, and if you desaturate by 10%, it is **52.9311, 0.4398, 0.3914**.

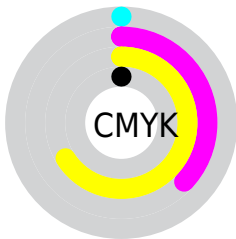
# Distribution



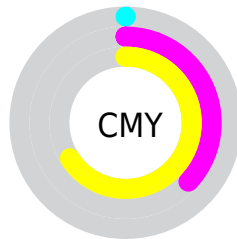
- Red (100%)
- Green (63%)
- Blue (35%)



- Red (100%)
- Yellow (84%)
- Blue (35%)



- Cyan (0%)
- Magenta (37%)
- Yellow (66%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1062, 0.4707, 0.3990 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 47.1062, 0.4707, 0.3990 by changing the saturation by 10% instead.





 47.1062, 0.4707,  
0.3990

 47.1062, 0.4707,  
0.3990


375.2383, 0.3939,  
0.3712


 33.1196, 0.4880,  
0.4031


 85.8721, 0.4439,  
0.3909


 22.2181, 0.5089,  
0.4068


 111.4203, 0.4335,  
0.3873

 14.0172, 0.5340,  
0.4088


 141.5910, 0.4245,  
0.3839

 8.1327, 0.5655,  
0.4078


 176.7688, 0.4168,  
0.3809

 4.1800, 0.6020,  
0.3980

217.3381, 0.4100,  
0.3781

 1.7747, 0.6347,  
0.3653

263.6831, 0.4040,

 0.4713, 0.7177,

0.3756

0.2823

316.1884, 0.3987,  
0.3733

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.1062, 0.4707,  
0.3990

47.1062, 0.4707,  
0.3990

42.0193, 0.5016,  
0.4028

52.9311, 0.4398,  
0.3914

37.6282, 0.5303,  
0.4015


59.5211, 0.4105,  
0.3812


33.8937, 0.5544,  
0.3947

66.9085, 0.3838,  
0.3698

32.4123, 0.5639,  
0.3904

75.1220, 0.3601,  
0.3579

 84.1885, 0.3394,  
0.3461

 94.1335, 0.3215,  
0.3349

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



47.1062, 0.4664, 0.3394



47.1062, 0.4707, 0.3990



47.1062, 0.4289, 0.4533

# Triad

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



47.1062, 0.4707, 0.3990



47.1062, 0.2163, 0.3731



47.1062, 0.2510, 0.2113

# Complementary

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



47.1062, 0.4707, 0.3990



43.1322, 0.2131, 0.2357

# 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.



47.1062, 0.1983, 0.2077



47.1062, 0.4707, 0.3990



47.1062, 0.1797, 0.2879

# Square

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



47.1062, 0.4707, 0.3990



47.1062, 0.2814, 0.4531



47.1062, 0.1744, 0.2316



47.1062, 0.3285, 0.2381



# Rectangle

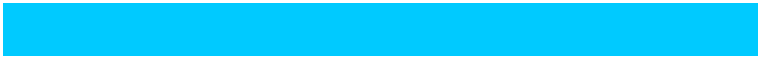
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.1062, 0.4707, 0.3990



47.1062, 0.3844, 0.4767



47.1062, 0.1744, 0.2316



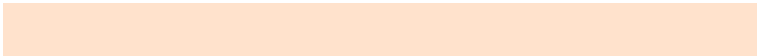
47.1062, 0.2303, 0.2074

# Sweetspot

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



47.1082, 0.4707, 0.3990



80.0126, 0.3484, 0.3513



31.7496, 0.3974, 0.2357



16.5852, 0.3543, 0.3547



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.



47.1082, 0.4707, 0.3990



40.4105, 0.5120, 0.4030



84.9208, 0.4113, 0.4690



19.2758, 0.3283, 0.3393



17.2193, 0.5611, 0.3927



1.8886, 0.5411, 0.4085



# Inverse Universe

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



43.1322, 0.2131, 0.2357



36.0335, 0.1982, 0.2127



18.7682, 0.1883, 0.1318



19.0923, 0.2979, 0.3185



14.6563, 0.1836, 0.1809



1.6442, 0.1887, 0.1993



# Previews

## White Background



This preview shows how the Yxy color 47.1062, 0.4707, 0.3990 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 47.1062, 0.4707, 0.3990 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 47.1062, 0.4707, 0.3990**

## Background



This preview shows how black text looks on a background with the Yxy color 47.1062, 0.4707, 0.3990.



This preview shows how white text looks on a background with the Yxy color 47.1062, 0.4707, 0.3990.

# 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

47.1062, 0.4707, 0.3990

### Protanopia

47.2681, 0.3998, 0.4354

### Deuteranopia

47.0967, 0.4361, 0.4267



## Tritanopia

47.0515, 0.4030, 0.3187

# Trichromacy



**Original Color**

47.1062, 0.4707, 0.3990

**Protanomaly**

46.8224, 0.4251, 0.4224

**Deuteranomaly**

47.0523, 0.4493, 0.4162

**Tritanomaly**

46.8145, 0.4307, 0.3502

# Monochromacy



**Original Color**

47.1062, 0.4707, 0.3990

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

45.2591, 0.3672, 0.3617

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.1062, 0.4707, 0.3990 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 88) }
```

## Border

The CSS property to change the border of an element to Yxy 47.1062, 0.4707, 0.3990 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, 88) }
```

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

```
.border{ border-color:rgb(255, 160, 88) }
```

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, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
88) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.1062, 0.4707, 0.3990 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, 88) }
```

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

```
.background{ background-color: rgb(255,  
160, 88) }
```

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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