

# Converting Colors

$Yxy(68.5237, 0.5396, 0.3682)$

Have a look what the booklet for  
Yxy(68.5237, 0.5396, 0.3682)  
contains.

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# Color

**Yxy(44.7470, 0.4765, 0.3920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9958
RGB	255, 153, 88
RGB Percent	100%, 60%, 35%
CMY	0.0000, 0.4000, 0.6547
CMYK	0.00, 0.40, 0.65, 0.00
HSL	23°, 100%, 67%
HSV	23°, 65%, 100%
XYZ	54.3927, 44.7470, 15.0108
YIQ	176.0880, 81.6570, 1.4090

# Conversions

## Conversions Part 2

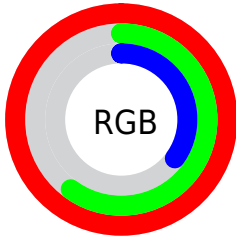
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 194, 88
Decimal	16750936
CIE Lab	72.72, 32.68, 49.66
CIE LCh	73, 59.446, 56.648
Yxy	44.7470, 0.4765, 0.3920
Android (android.graphics.Color)	4294941016 (0xFFFF9958)
YUV	176.0880, -43.4274, 69.2058
Hunter-Lab	66.8932, 28.0802, 33.5206

# Details

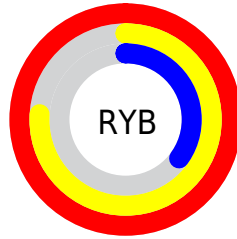
The Yxy color **44.7470, 0.4765, 0.3920** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **46.1346, 0.2154, 0.2454**, and the grayscale version is **43.6666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2652, 0.4004, 0.3988**, and **20.7848, 0.5171, 0.3981** is the 20% darker color. If you saturate the color by 10%, you get **39.6270, 0.5095, 0.3949**, and if you desaturate by 10%, it is **50.6851, 0.4437, 0.3853**.

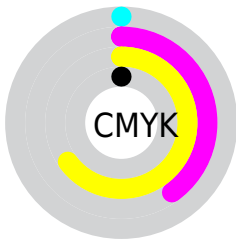
# Distribution



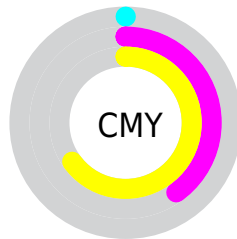
- Red (100%)
- Green (60%)
- Blue (35%)



- Red (100%)
- Yellow (76%)
- Blue (35%)



- Cyan (0%)
- Magenta (40%)
- Yellow (65%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7470, 0.4765, 0.3920 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 44.7470, 0.4765, 0.3920 by changing the saturation by 10% instead.




 44.7470, 0.4765,  
0.3920

 44.7470, 0.4765,  
0.3920


365.7479, 0.3959,  
0.3677


 31.2582, 0.4950,  
0.3952


 82.3406, 0.4482,  
0.3852


 20.7955, 0.5174,  
0.3977


 107.2142, 0.4372,  
0.3820

 12.9746, 0.5446,  
0.3980


 136.6516, 0.4278,  
0.3791

 7.4111, 0.5796,  
0.3952

 171.0370, 0.4197,  
0.3764

 3.7205, 0.6191,  
0.3809

210.7550, 0.4126,  
0.3739

 1.5185, 0.6574,  
0.3426

256.1899, 0.4064,

 0.3017, 0.7861,

0.3717

0.2139

307.7261, 0.4008,  
0.3696

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.7470, 0.4765,  
0.3920

44.7470, 0.4765,  
0.3920

39.6270, 0.5095,  
0.3949

50.6851, 0.4437,  
0.3853

35.2762, 0.5403,  
0.3928

57.4723, 0.4129,  
0.3762

31.6499, 0.5660,  
0.3854

65.1461, 0.3851,  
0.3659

30.2260, 0.5760,  
0.3808

73.7396, 0.3607,  
0.3551

83.2840, 0.3396,  
0.3444

93.8087, 0.3215,  
0.3343

99.9991, 0.3127,  
0.3290

# Harmonies

## Analogous

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



44.7470, 0.4654, 0.3314



44.7470, 0.4765, 0.3920



44.7470, 0.4387, 0.4492

# Triad

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



44.7470, 0.4765, 0.3920



44.7470, 0.2213, 0.3862



44.7470, 0.2411, 0.2072

# Complementary

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



44.7470, 0.4765, 0.3920



46.1346, 0.2154, 0.2454

# 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.



44.7470, 0.1912, 0.2068



44.7470, 0.4765, 0.3920



44.7470, 0.1801, 0.2967

# Square

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



44.7470, 0.4765, 0.3920



44.7470, 0.2905, 0.4639



44.7470, 0.1708, 0.2349



44.7470, 0.3175, 0.2316



# Rectangle

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



44.7470, 0.4765, 0.3920



44.7470, 0.3951, 0.4766



44.7470, 0.1708, 0.2349



44.7470, 0.2212, 0.2042

# Sweetspot

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



44.7493, 0.4765, 0.3920



78.8482, 0.3488, 0.3492



32.0063, 0.3902, 0.2307



16.3080, 0.3548, 0.3522



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.



44.7493, 0.4765, 0.3920



38.0089, 0.5208, 0.3948



81.6773, 0.4147, 0.4649



19.1462, 0.3285, 0.3383



16.0630, 0.5731, 0.3832



1.7687, 0.5520, 0.3999



# Inverse Universe

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



46.1346, 0.2154, 0.2454



39.2816, 0.2013, 0.2247



19.9199, 0.1898, 0.1380



19.2250, 0.2979, 0.3195



16.4550, 0.1878, 0.1959



1.8146, 0.1924, 0.2126



# Previews

## White Background



This preview shows how the Yxy color 44.7470, 0.4765, 0.3920 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 44.7470, 0.4765, 0.3920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

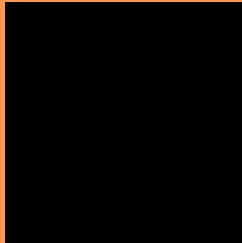
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.7470, 0.4765, 0.3920**

## Background



This preview shows how black text looks on a background with the Yxy color 44.7470, 0.4765, 0.3920.



This preview shows how white text looks on a background with the Yxy color 44.7470, 0.4765, 0.3920.

# 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

44.7470, 0.4765, 0.3920

### Protanopia

44.9736, 0.3968, 0.4321

### Deuteranopia

44.7617, 0.4354, 0.4256



## Tritanopia

44.8741, 0.4128, 0.3199

# Trichromacy



**Original Color**

44.7470, 0.4765, 0.3920

**Protanomaly**

44.4630, 0.4252, 0.4173

**Deuteranomaly**

44.5304, 0.4506, 0.4135

**Tritanomaly**

44.7386, 0.4381, 0.3480

# Monochromacy



**Original Color**

44.7470, 0.4765, 0.3920

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

42.9980, 0.3698, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7470, 0.4765, 0.3920 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, 153, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 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, 153, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 88) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7470, 0.4765, 0.3920 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, 153, 88) }
```

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

```
.border{ border-color:rgb(255, 153, 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, 153, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
88) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7470, 0.4765, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 88) }
```

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

```
.background{ background-color: rgb(255,  
153, 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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