

# Converting Colors

$Y_{xy}(43.8462, 0.4779, 0.3882)$

Have a look what the booklet for  
Yxy(43.8462, 0.4779, 0.3882)  
contains.

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# Color

**Yxy(43.7940, 0.4783, 0.3882)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF9659
RGB	255, 150, 89
RGB Percent	100%, 59%, 35%
CMY	0.0000, 0.4118, 0.6510
CMYK	0.00, 0.41, 0.65, 0.00
HSL	22°, 100%, 67%
HSV	22°, 65%, 100%
XYZ	53.9584, 43.7940, 15.0605
YIQ	174.4410, 82.1610, 3.2890

# Conversions

## Conversions Part 2

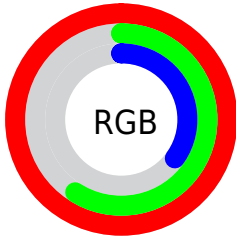
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 185, 89
Decimal	16750169
CIE <sub>Lab</sub>	72.09, 34.31, 48.45
CIE <sub>LCh</sub>	72, 59.366, 54.696
Yxy	43.7940, 0.4783, 0.3882
Android (android.graphics.Color)	4294940249 (0xFFFF9659)
YUV	174.4410, -42.1224, 70.6502
Hunter-Lab	66.1770, 29.7329, 32.8307

# Details

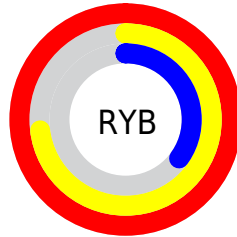
The Yxy color **43.7940, 0.4783, 0.3882** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **47.9340, 0.2170, 0.2509**, and the grayscale version is **42.7512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8457, 0.4011, 0.3950**, and **20.2260, 0.5196, 0.3930** is the 20% darker color. If you saturate the color by 10%, you get **38.6351, 0.5124, 0.3908**, and if you desaturate by 10%, it is **49.8024, 0.4445, 0.3819**.

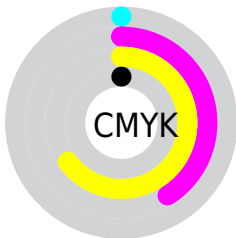
# Distribution



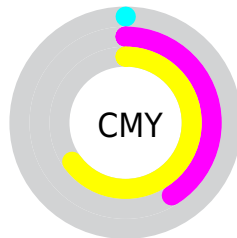
- Red (100%)
- Green (59%)
- Blue (35%)



- Red (100%)
- Yellow (73%)
- Blue (35%)



- Cyan (0%)
- Magenta (41%)
- Yellow (65%)
- Black (0%)




- Cyan (0%)
- Magenta (41%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7940, 0.4783, 0.3882 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 43.7940, 0.4783, 0.3882 by changing the saturation by 10% instead.





 43.7940, 0.4783,  
0.3882

 43.7940, 0.4783,  
0.3882


361.8670, 0.3964,  
0.3657


 30.5086, 0.4973,  
0.3910


 80.9077, 0.4494,  
0.3820


 20.2249, 0.5204,  
0.3929


 105.5047, 0.4382,  
0.3791

 12.5587, 0.5486,  
0.3926


 134.6411, 0.4287,  
0.3764

 7.1254, 0.5850,  
0.3887

 168.7013, 0.4204,  
0.3739

 3.5406, 0.6268,  
0.3732

208.0695, 0.4132,  
0.3716

 1.4201, 0.6677,  
0.3323

253.1303, 0.4069,

 0.2314, 0.8230,

0.3695

0.1770

304.2680, 0.4013,  
0.3675

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.7940, 0.4783,  
0.3882

■ 43.7940, 0.4783,  
0.3882

■ 38.6351, 0.5124,  
0.3908

■ 49.8024, 0.4445,  
0.3819

■ 34.2921, 0.5443,  
0.3886

■ 56.7125, 0.4131,  
0.3733

■ 30.7108, 0.5710,  
0.3810

■ 64.5584, 0.3849,  
0.3635

■ 29.2093, 0.5821,  
0.3760

■ 73.3757, 0.3602,  
0.3533

83.1979, 0.3390,  
0.3432

94.0566, 0.3209,  
0.3336

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.



43.7940, 0.4636, 0.3275



43.7940, 0.4783, 0.3882



43.7940, 0.4429, 0.4463

# Triad

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



43.7940, 0.4783, 0.3882



43.7940, 0.2246, 0.3926



43.7940, 0.2365, 0.2058

# Complementary

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



43.7940, 0.4783, 0.3882



47.9340, 0.2170, 0.2509

# 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.



43.7940, 0.1884, 0.2071



43.7940, 0.4783, 0.3882



43.7940, 0.1811, 0.3017

# Square

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



43.7940, 0.4783, 0.3882



43.7940, 0.2954, 0.4681



43.7940, 0.1698, 0.2373



43.7940, 0.3119, 0.2289



# Rectangle

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



43.7940, 0.4783, 0.3882



43.7940, 0.4002, 0.4754



43.7940, 0.1698, 0.2373



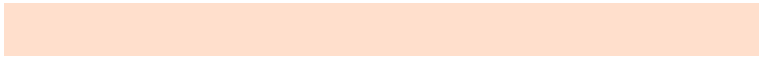
43.7940, 0.2172, 0.2033

# Sweetspot

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



43.7902, 0.4783, 0.3882



78.2545, 0.3490, 0.3481



32.3063, 0.3860, 0.2286



16.1668, 0.3551, 0.3509



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.



43.7902, 0.4783, 0.3882



37.2928, 0.5221, 0.3907



80.1839, 0.4159, 0.4623



19.0798, 0.3285, 0.3378



15.5221, 0.5791, 0.3784



1.7113, 0.5576, 0.3955



# Inverse Universe

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



47.9340, 0.2170, 0.2509



41.4894, 0.2038, 0.2323



20.7425, 0.1912, 0.1423



19.2935, 0.2979, 0.3201



17.4442, 0.1899, 0.2037



1.9072, 0.1943, 0.2195



# Previews

## White Background



This preview shows how the Yxy color 43.7940, 0.4783, 0.3882 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 43.7940, 0.4783, 0.3882 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 43.7940, 0.4783, 0.3882**

## Background



This preview shows how black text looks on a background with the Yxy color 43.7940, 0.4783, 0.3882.



This preview shows how white text looks on a background with the Yxy color 43.7940, 0.4783, 0.3882.

# 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

43.7940, 0.4783, 0.3882

### Protanopia

43.9282, 0.3954, 0.4296

### Deuteranopia

44.0919, 0.4337, 0.4245



## Tritanopia

43.8439, 0.4173, 0.3199

# Trichromacy



## Original Color

43.7940, 0.4783, 0.3882

## Protanomaly

43.2154, 0.4257, 0.4134

## Deuteranomaly

43.6684, 0.4506, 0.4110

## Tritanomaly

43.7391, 0.4418, 0.3469

# Monochromacy



## Original Color

43.7940, 0.4783, 0.3882

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

41.5899, 0.3698, 0.3574

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.7940, 0.4783, 0.3882 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, 150, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 89)  
}
```

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, 150, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 43.7940, 0.4783, 0.3882 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, 150, 89) }
```

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

```
.border{ border-color:rgb(255, 150, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.7940, 0.4783, 0.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 89) }
```

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

```
.background{ background-color: rgb(255,  
150, 89) }
```

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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