

# Converting Colors

$Yxy(44.0340, 0.4866, 0.3992)$

Have a look what the booklet for  
Yxy(44.0340, 0.4866, 0.3992)  
contains.

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# Color

**Yxy(43.9150, 0.4873, 0.3992)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF974C
RGB	255, 151, 76
RGB Percent	100%, 59%, 30%
CMY	0.0001, 0.4078, 0.7020
CMYK	0.00, 0.41, 0.70, 0.00
HSL	25°, 100%, 65%
HSV	25°, 70%, 100%
XYZ	53.6067, 43.9150, 12.4859
YIQ	173.5460, 86.0590, -1.2770

# Conversions

## Conversions Part 2

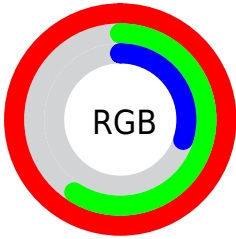
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	255, 205, 76
Decimal	16750412
CIE <sub>Lab</sub>	72.17, 33.06, 54.85
CIE <sub>LCh</sub>	72, 64.045, 58.925
Yxy	43.9150, 0.4873, 0.3992
Android (android.graphics.Color)	4294940492 (0xFFFF974C)
YUV	173.5460, -48.0902, 71.4352
Hunter-Lab	66.2684, 28.4248, 35.2168

# Details

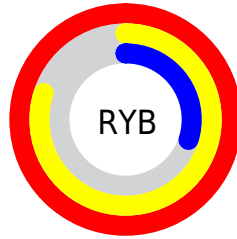
The Yxy color **43.9150, 0.4873, 0.3992** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **41.3794, 0.2082, 0.2307**, and the grayscale version is **42.3018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9611, 0.4099, 0.4084**, and **20.3230, 0.5294, 0.4043** is the 20% darker color. If you saturate the color by 10%, you get **39.1581, 0.5181, 0.4005**, and if you desaturate by 10%, it is **49.4158, 0.4556, 0.3935**.

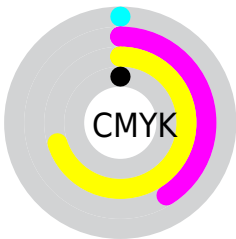
# Distribution



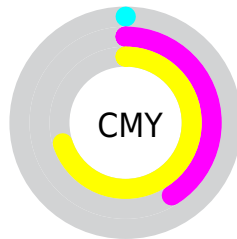
- Red (100%)
- Green (59%)
- Blue (30%)



- Red (100%)
- Yellow (80%)
- Blue (30%)



- Cyan (0%)
- Magenta (41%)
- Yellow (70%)
- Black (0%)




- Cyan (0%)
- Magenta (41%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9150, 0.4873, 0.3992 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 43.9150, 0.4873, 0.3992 by changing the saturation by 10% instead.




 43.9150, 0.4873,  
0.3992

 43.9150, 0.4873,  
0.3992


362.3613, 0.4021,  
0.3728


 30.6037, 0.5063,  
0.4023


 81.0898, 0.4577,  
0.3921


 20.2973, 0.5290,  
0.4042


 105.7221, 0.4461,  
0.3887


 12.6113, 0.5558,  
0.4033


 134.8969, 0.4362,  
0.3855

 7.1614, 0.5954,  
0.4022

 168.9985, 0.4275,  
0.3825

 3.5633, 0.6221,  
0.3779

 208.4113, 0.4200,  
0.3798

 1.4324, 0.6618,  
0.3382

253.5198, 0.4133,

 0.2404, 0.8138,

0.3773

0.1862

304.7084, 0.4074,  
0.3750

■ 0.0000, 0.0000,  
0.0000

■ 43.9150, 0.4873,  
0.3992

■ 43.9150, 0.4873,  
0.3992

■ 39.1581, 0.5181,  
0.4005

■ 49.4158, 0.4556,  
0.3935

■ 35.0984, 0.5454,  
0.3964


■ 55.6895, 0.4249,  
0.3846

■ 31.7476, 0.5675,  
0.3876

■ 62.7712, 0.3965,  
0.3740

■ 70.6915, 0.3712,  
0.3625

■ 79.4794, 0.3489,  
0.3509

 89.1620, 0.3296,  
0.3398

99.7655, 0.3130,  
0.3292

99.9971, 0.3127,  
0.3290

# Harmonies

## Analogous

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



43.9150, 0.4810, 0.3349



43.9150, 0.4873, 0.3992



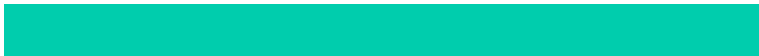
43.9150, 0.4420, 0.4607

# Triad

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



43.9150, 0.4873, 0.3992



43.9150, 0.2094, 0.3832



43.9150, 0.2407, 0.2002

# Complementary

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



43.9150, 0.4873, 0.3992



41.3794, 0.2082, 0.2307

# 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.



43.9150, 0.1858, 0.1973



43.9150, 0.4873, 0.3992



43.9150, 0.1688, 0.2867

# Square

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



43.9150, 0.4873, 0.3992



43.9150, 0.2812, 0.4723



43.9150, 0.1619, 0.2238



43.9150, 0.3245, 0.2278



# Rectangle

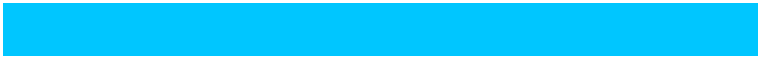
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.9150, 0.4873, 0.3992



43.9150, 0.3936, 0.4902



43.9150, 0.1619, 0.2238



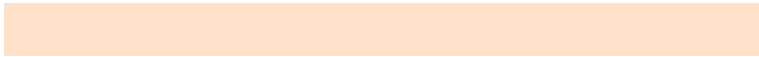
43.9150, 0.2189, 0.1963

# Sweetspot

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



43.9173, 0.4873, 0.3992



78.7538, 0.3506, 0.3519



29.7359, 0.4063, 0.2319



16.3224, 0.3565, 0.3550



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.



43.9173, 0.4873, 0.3992



37.5401, 0.5290, 0.3996



84.1390, 0.4164, 0.4752



19.2382, 0.3284, 0.3390



16.8704, 0.5646, 0.3899



1.8528, 0.5443, 0.4060



# Inverse Universe

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



41.3794, 0.2082, 0.2307



34.6752, 0.1946, 0.2080



16.2207, 0.1802, 0.1181



19.1306, 0.2979, 0.3188



15.1600, 0.1848, 0.1852



1.6922, 0.1898, 0.2032



# Previews

## White Background



This preview shows how the Yxy color 43.9150, 0.4873, 0.3992 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 43.9150, 0.4873, 0.3992 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 43.9150, 0.4873, 0.3992**

## Background



This preview shows how black text looks on a background with the Yxy color 43.9150, 0.4873, 0.3992.



This preview shows how white text looks on a background with the Yxy color 43.9150, 0.4873, 0.3992.

# 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

43.9150, 0.4873, 0.3992

### Protanopia

44.3512, 0.4066, 0.4448

### Deuteranopia

44.2030, 0.4449, 0.4357



## Tritanopia

43.8774, 0.4162, 0.3188

# Trichromacy



**Original Color**

43.9150, 0.4873, 0.3992

**Protanomaly**

43.5048, 0.4364, 0.4276

**Deuteranomaly**

43.6453, 0.4608, 0.4213

**Tritanomaly**

43.6338, 0.4460, 0.3510

# Monochromacy



**Original Color**

43.9150, 0.4873, 0.3992

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

41.8039, 0.3742, 0.3651

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9150, 0.4873, 0.3992 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, 151, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 76)  
}
```

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, 151, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 76) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9150, 0.4873, 0.3992 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, 151, 76) }
```

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

```
.border{ border-color:rgb(255, 151, 76) }
```

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

Here you see how a box with a 4 pixel rgb(255, 151, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
76) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9150, 0.4873, 0.3992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 76) }
```

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

```
.background{ background-color: rgb(255,  
151, 76) }
```

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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