

# Converting Colors

Yxy(44.8694, 0.4973, 0.3848)

Have a look what the booklet for  
Yxy(44.8694, 0.4973, 0.3848)  
contains.

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# Color

**Yxy(42.4423, 0.4865, 0.3890)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF9253
RGB	255, 146, 83
RGB Percent	100%, 57%, 33%
CMY	0.0000, 0.4274, 0.6744
CMYK	0.00, 0.43, 0.67, 0.00
HSL	22°, 100%, 66%
HSV	22°, 67%, 100%
XYZ	53.0802, 42.4423, 13.5837
YIQ	171.4090, 85.1870, 3.5150

# Conversions

## Conversions Part 2

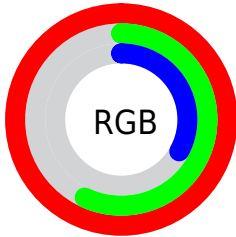
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 182, 83
Decimal	16749139
CIE <sub>Lab</sub>	71.17, 36.00, 50.37
CIE <sub>LCh</sub>	71, 61.908, 54.446
Yxy	42.4423, 0.4865, 0.3890
Android (android.graphics.Color)	4294939219 (0xFFFF9253)
YUV	171.4090, -43.5856, 73.3093
Hunter-Lab	65.1478, 31.4271, 33.2411

# Details

The Yxy color **42.4423, 0.4865, 0.3890** 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 **46.7668, 0.2144, 0.2478**, and the grayscale version is **41.1356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7826, 0.4075, 0.3969**, and **19.4527, 0.5304, 0.3927** is the 20% darker color. If you saturate the color by 10%, you get **37.4846, 0.5204, 0.3905**, and if you desaturate by 10%, it is **48.2535, 0.4524, 0.3835**.

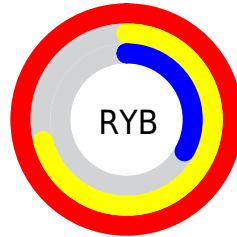
# Distribution



Red (100%)

Green (57%)

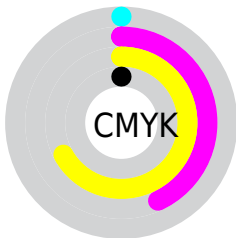
Blue (33%)



Red (100%)

Yellow (71%)

Blue (33%)

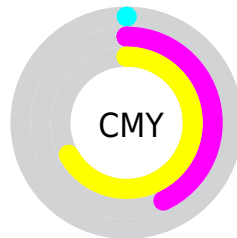


Cyan (0%)

Magenta (43%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (43%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4423, 0.4865, 0.3890 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 42.4423, 0.4865, 0.3890 by changing the saturation by 10% instead.





 42.4423, 0.4865,  
0.3890


 42.4423, 0.4865,  
0.3890

356.3132, 0.4004,  
0.3669

 29.4478, 0.5063,  
0.3914


 78.8686, 0.4562,  
0.3832

 19.4198, 0.5303,  
0.3926


 103.0692, 0.4445,  
0.3804


 11.9740, 0.5593,  
0.3909


 131.7738, 0.4344,  
0.3777

 6.7260, 0.5996,  
0.3868

 165.3671, 0.4257,  
0.3751

 3.2913, 0.6358,  
0.3642

 204.2332, 0.4182,  
0.3728

 1.2857, 0.6799,  
0.3201

248.7567, 0.4115,

 0.1301, 0.8862,

0.3707

0.1138

299.3219, 0.4056,  
0.3687

0.0000, 0.0000,  
0.0000

42.4423, 0.4865,  
0.3890

42.4423, 0.4865,  
0.3890

37.4846, 0.5204,  
0.3905

48.2535, 0.4524,  
0.3835

33.3277, 0.5514,  
0.3870

54.9536, 0.4203,  
0.3753


29.9204, 0.5766,  
0.3784

62.5833, 0.3912,  
0.3657

29.1560, 0.5824,  
0.3758

71.1790, 0.3657,  
0.3556

80.7746, 0.3437,  
0.3455

 91.4025, 0.3249,  
0.3358

99.9992, 0.3127,  
0.3290

# Harmonies

## Analogous

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



42.4423, 0.4713, 0.3260



42.4423, 0.4865, 0.3890



42.4423, 0.4489, 0.4504

# Triad

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



42.4423, 0.4865, 0.3890



42.4423, 0.2205, 0.3970



42.4423, 0.2322, 0.2004

# Complementary

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



42.4423, 0.4865, 0.3890



46.7668, 0.2144, 0.2478

# 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.



42.4423, 0.1827, 0.2017



42.4423, 0.4865, 0.3890



42.4423, 0.1753, 0.3003

# Square

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



42.4423, 0.4865, 0.3890



42.4423, 0.2945, 0.4771



42.4423, 0.1636, 0.2329



42.4423, 0.3108, 0.2242



# Rectangle

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



42.4423, 0.4865, 0.3890



42.4423, 0.4040, 0.4820



42.4423, 0.1636, 0.2329



42.4423, 0.2123, 0.1979

# Sweetspot

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



42.4445, 0.4865, 0.3890



78.2229, 0.3490, 0.3480



31.3817, 0.3862, 0.2237



16.1593, 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.



42.4445, 0.4865, 0.3890



35.9161, 0.5320, 0.3899



78.0341, 0.4208, 0.4633



19.0763, 0.3285, 0.3378



15.4943, 0.5794, 0.3781



1.7083, 0.5579, 0.3952



# Inverse Universe

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



46.7668, 0.2144, 0.2478



40.2424, 0.2013, 0.2284



19.9599, 0.1879, 0.1386



19.2972, 0.2980, 0.3201



17.4982, 0.1900, 0.2041



1.9122, 0.1944, 0.2199



# Previews

## White Background



This preview shows how the Yxy color 42.4423, 0.4865, 0.3890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

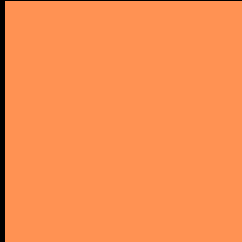
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.4423, 0.4865, 0.3890 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 42.4423, 0.4865, 0.3890**

## Background



This preview shows how black text looks on a background with the Yxy color 42.4423, 0.4865, 0.3890.



This preview shows how white text looks on a background with the Yxy color 42.4423, 0.4865, 0.3890.

# 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

42.4423, 0.4865, 0.3890

### Protanopia

42.7701, 0.3992, 0.4349

### Deuteranopia

42.4214, 0.4383, 0.4291



## Tritanopia

42.5118, 0.4235, 0.3199

# Trichromacy



**Original Color**

42.4423, 0.4865, 0.3890

**Protanomaly**

41.8711, 0.4318, 0.4166

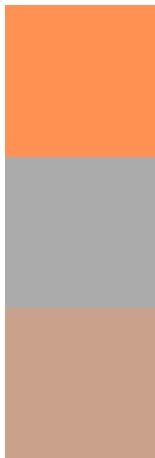
**Deuteranomaly**

42.1985, 0.4558, 0.4139

**Tritanomaly**

42.4113, 0.4484, 0.3469

# Monochromacy



**Original Color**

42.4423, 0.4865, 0.3890

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

40.2613, 0.3738, 0.3589

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.4423, 0.4865, 0.3890 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, 146, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 83)  
}
```

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, 146, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 83) }
```

## Border

The CSS property to change the border of an element to Yxy 42.4423, 0.4865, 0.3890 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, 146, 83) }
```

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

```
.border{ border-color:rgb(255, 146, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
83) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.4423, 0.4865, 0.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 83) }
```

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

```
.background{ background-color: rgb(255,  
146, 83) }
```

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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