

# Converting Colors

Yxy(49.3442, 0.5218, 0.3649)

Have a look what the booklet for  
Yxy(49.3442, 0.5218, 0.3649)  
contains.

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# Color

**Yxy(39.8726, 0.4892, 0.3752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8959
RGB	255, 137, 89
RGB Percent	100%, 54%, 35%
CMY	0.0000, 0.4627, 0.6509
CMYK	0.00, 0.46, 0.65, 0.00
HSL	17°, 100%, 67%
HSV	17°, 65%, 100%
XYZ	51.9874, 39.8726, 14.4102
YIQ	166.8100, 85.7360, 10.0880

# Conversions

## Conversions Part 2

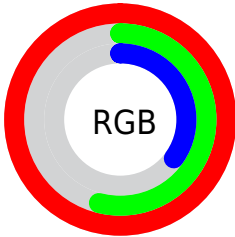
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 157, 89
Decimal	16746841
CIE <sub>Lab</sub>	69.38, 40.89, 45.28
CIE <sub>LCh</sub>	69, 61.015, 47.915
Yxy	39.8726, 0.4892, 0.3752
Android (android.graphics.Color)	4294936921 (0xFFFF8959)
YUV	166.8100, -38.3603, 77.3426
Hunter-Lab	63.1448, 36.4567, 30.6708

# Details

The Yxy color **39.8726, 0.4892, 0.3752** 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 **53.9676, 0.2212, 0.2683**, and the grayscale version is **38.7076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8527, 0.4082, 0.3832**, and **17.9946, 0.5358, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **34.7898, 0.5271, 0.3763**, and if you desaturate by 10%, it is **45.9736, 0.4519, 0.3707**.

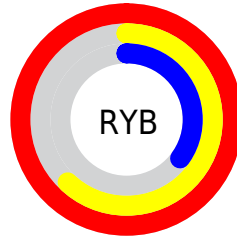
# Distribution



Red (100%)

Green (54%)

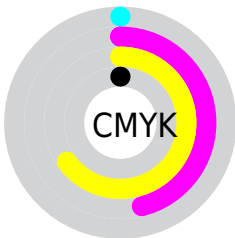
Blue (35%)



Red (100%)

Yellow (62%)

Blue (35%)

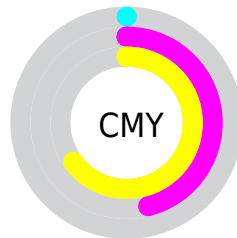


Cyan (0%)

Magenta (46%)

Yellow (65%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8726, 0.4892, 0.3752 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 39.8726, 0.4892, 0.3752 by changing the saturation by 10% instead.





 39.8726, 0.4892,  
0.3752


 39.8726, 0.4892,  
0.3752


345.5863, 0.4001,  
0.3594


 27.4392, 0.5104,  
0.3763


 74.9695, 0.4573,  
0.3715


 17.9034, 0.5365,  
0.3759


 98.4018, 0.4451,  
0.3695

 10.8806, 0.5687,  
0.3723

 126.2692, 0.4348,  
0.3675

 5.9866, 0.6125,  
0.3646

 158.9560, 0.4259,  
0.3657

 2.8369, 0.6597,  
0.3403

196.8468, 0.4181,  
0.3639

 1.0472, 0.7114,  
0.2886

240.3258, 0.4114,

 0.0000, 1.0000,


0.3623


0.0000


289.7775, 0.4054,  
0.3608

 0.0000, 0.0000,  
0.0000


 39.8726, 0.4892,  
0.3752


 39.8726, 0.4892,  
0.3752


 34.7898, 0.5271,  
0.3763


 45.9736, 0.4519,  
0.3707


 30.6596, 0.5623,  
0.3730


 53.1404, 0.4177,  
0.3641


 27.4172, 0.5908,  
0.3650

 61.4250, 0.3874,  
0.3563

 26.1212, 0.6021,  
0.3601

 70.8740, 0.3614,  
0.3482

 81.5313, 0.3394,  
0.3402

 93.4383, 0.3209,  
0.3327

99.9986, 0.3127,  
0.3290

# Harmonies

## Analogous

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



39.8726, 0.4612, 0.3127



39.8726, 0.4892, 0.3752



39.8726, 0.4614, 0.4382

# Triad

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



39.8726, 0.4892, 0.3752



39.8726, 0.2341, 0.4187



39.8726, 0.2183, 0.1978

# Complementary

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



39.8726, 0.4892, 0.3752



53.9676, 0.2212, 0.2683

# 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.



39.8726, 0.1753, 0.2051



39.8726, 0.4892, 0.3752



39.8726, 0.1815, 0.3196

# Square

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



39.8726, 0.4892, 0.3752



39.8726, 0.3125, 0.4875



39.8726, 0.1627, 0.2438



39.8726, 0.2915, 0.2165



# Rectangle

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



39.8726, 0.4892, 0.3752



39.8726, 0.4203, 0.4740



39.8726, 0.1627, 0.2438



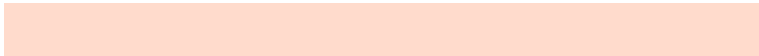
39.8726, 0.2005, 0.1971

# Sweetspot

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



39.8747, 0.4892, 0.3752



76.1513, 0.3498, 0.3441



32.9582, 0.3692, 0.2165



15.6681, 0.3561, 0.3464



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.



39.8747, 0.4892, 0.3752



33.4949, 0.5378, 0.3758



72.6591, 0.4249, 0.4515



18.8426, 0.3287, 0.3359



13.8702, 0.5992, 0.3624



1.5285, 0.5771, 0.3800



# Inverse Universe

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



53.9676, 0.2212, 0.2683



48.2158, 0.2095, 0.2540



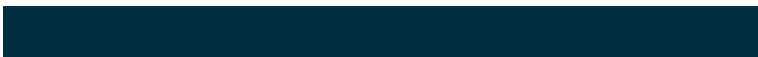
24.0054, 0.1951, 0.1588



19.5418, 0.2980, 0.3220



21.3654, 0.1977, 0.2318



2.2682, 0.2012, 0.2442



# Previews

## White Background



This preview shows how the Yxy color 39.8726, 0.4892, 0.3752 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 39.8726, 0.4892, 0.3752 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

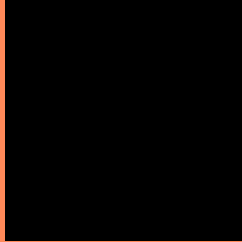
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.8726, 0.4892, 0.3752**

## Background



This preview shows how black text looks on a background with the Yxy color 39.8726, 0.4892, 0.3752.



This preview shows how white text looks on a background with the Yxy color 39.8726, 0.4892, 0.3752.

# 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

39.8726, 0.4892, 0.3752

### Protanopia

40.1281, 0.3883, 0.4215

### Deuteranopia

40.0361, 0.4305, 0.4223



## Tritanopia

39.9581, 0.4375, 0.3211

# Trichromacy



## Original Color

39.8726, 0.4892, 0.3752

## Protanomaly

39.1657, 0.4248, 0.4033

## Deuteranomaly

39.6231, 0.4526, 0.4036

## Tritanomaly

39.7153, 0.4583, 0.3416

# Monochromacy



## Original Color

39.8726, 0.4892, 0.3752

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

37.7831, 0.3731, 0.3515

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.8726, 0.4892, 0.3752 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, 137, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 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, 137, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8726, 0.4892, 0.3752 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, 137, 89) }
```

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

```
.border{ border-color:rgb(255, 137, 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, 137, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8726, 0.4892, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 89) }
```

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

```
.background{ background-color: rgb(255,  
137, 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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