

# Converting Colors

Yxy(64.0659, 0.5398, 0.3462)

Have a look what the booklet for  
Yxy(64.0659, 0.5398, 0.3462)  
contains.

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# Color

**Yxy(39.6495, 0.4735, 0.3572)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF876B
RGB	255, 135, 107
RGB Percent	100%, 53%, 42%
CMY	0.0000, 0.4706, 0.5804
CMYK	0.00, 0.47, 0.58, 0.00
HSL	11°, 100%, 71%
HSV	11°, 58%, 100%
XYZ	52.5589, 39.6495, 18.7924
YIQ	167.6880, 80.5080, 16.7320

# Conversions

## Conversions Part 2

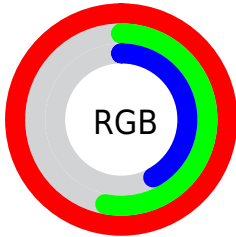
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 142, 107
Decimal	16746347
CIE <sub>Lab</sub>	69.22, 43.07, 35.58
CIE <sub>LCh</sub>	69, 55.867, 39.554
Yxy	39.6495, 0.4735, 0.3572
Android (android.graphics.Color)	4294936427 (0xFFFF876B)
YUV	167.6880, -29.9192, 76.5726
Hunter-Lab	62.9678, 38.7992, 26.3827

# Details

The Yxy color **39.6495, 0.4735, 0.3572** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **65.2810, 0.2330, 0.2949**, and the grayscale version is **39.1175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5901, 0.3934, 0.3617**, and **17.6878, 0.5193, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **33.9709, 0.5156, 0.3590**, and if you desaturate by 10%, it is **46.6093, 0.4343, 0.3534**.

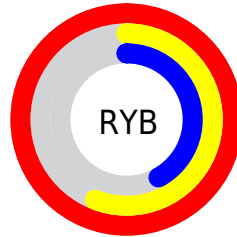
# Distribution



Red (100%)

Green (53%)

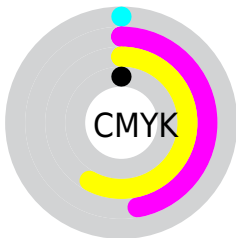
Blue (42%)



Red (100%)

Yellow (56%)

Blue (42%)

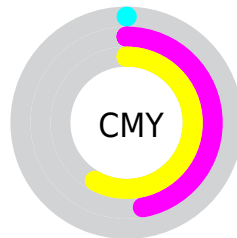


Cyan (0%)

Magenta (47%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (47%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6495, 0.4735, 0.3572 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 39.6495, 0.4735, 0.3572 by changing the saturation by 10% instead.




 39.6495, 0.4735,  
0.3572


 39.6495, 0.4735,  
0.3572

344.6440, 0.3911,  
0.3484

 27.2654, 0.4939,  
0.3574


 74.6295, 0.4435,  
0.3554

 17.7726, 0.5196,  
0.3564


 97.9941, 0.4322,  
0.3543

 10.7869, 0.5526,  
0.3530


 125.7877, 0.4227,  
0.3532

 5.9237, 0.5955,  
0.3442

 158.3947, 0.4145,  
0.3521

 2.7987, 0.6679,  
0.3321

196.1994, 0.4075,  
0.3511

 1.0276, 0.7212,  
0.2788

239.5863, 0.4013,

 0.0000, 1.0000,

0.3502

0.0000

288.9397, 0.3959,  
0.3492

0.0000, 0.0000,  
0.0000

39.6495, 0.4735,  
0.3572

39.6495, 0.4735,  
0.3572

33.9709, 0.5156,  
0.3590

46.6093, 0.4343,  
0.3534

29.4898, 0.5572,  
0.3578

54.9185, 0.3999,  
0.3486

26.1189, 0.5929,  
0.3531

64.6456, 0.3707,  
0.3433

23.7544, 0.6183,  
0.3455

75.8529, 0.3464,  
0.3379

23.3946, 0.6223,  
0.3441

88.5992, 0.3263,  
0.3328

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.



39.6495, 0.4327, 0.2993



39.6495, 0.4735, 0.3572



39.6495, 0.4624, 0.4166

# Triad

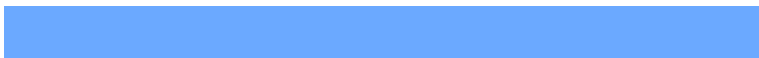
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.6495, 0.4735, 0.3572



39.6495, 0.2595, 0.4330



39.6495, 0.2110, 0.2060

# Complementary

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



39.6495, 0.4735, 0.3572



65.2810, 0.2330, 0.2949

# 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.



39.6495, 0.1784, 0.2211



39.6495, 0.4735, 0.3572



39.6495, 0.2018, 0.3458

# Square

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



39.6495, 0.4735, 0.3572



39.6495, 0.3359, 0.4797



39.6495, 0.1748, 0.2673



39.6495, 0.2721, 0.2170



# Rectangle

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



39.6495, 0.4735, 0.3572



39.6495, 0.4310, 0.4519



39.6495, 0.1748, 0.2673



39.6495, 0.1969, 0.2079

# Sweetspot

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



39.6509, 0.4735, 0.3572



77.1050, 0.3441, 0.3374



37.3694, 0.3453, 0.2133



15.9888, 0.3485, 0.3384



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.



39.6509, 0.4735, 0.3572



33.0005, 0.5240, 0.3590



67.4983, 0.4223, 0.4288



18.5431, 0.3290, 0.3336



12.3821, 0.6199, 0.3460



1.3461, 0.5998, 0.3620



# Inverse Universe

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



65.2810, 0.2330, 0.2949



60.6080, 0.2222, 0.2867



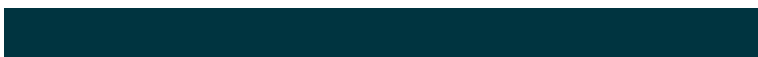
33.4129, 0.2119, 0.1986



19.8627, 0.2980, 0.3244



27.2355, 0.2075, 0.2671



2.7954, 0.2097, 0.2749



# Previews

## White Background



This preview shows how the Yxy color 39.6495, 0.4735, 0.3572 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 39.6495, 0.4735, 0.3572 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 39.6495, 0.4735, 0.3572**

## Background



This preview shows how black text looks on a background with the Yxy color 39.6495, 0.4735, 0.3572.



This preview shows how white text looks on a background with the Yxy color 39.6495, 0.4735, 0.3572.

# 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

39.6495, 0.4735, 0.3572

### Protanopia

39.7015, 0.3677, 0.3953

### Deuteranopia

39.7791, 0.4116, 0.4043



## Tritanopia

39.6856, 0.4380, 0.3201

# Trichromacy



**Original Color**

39.6495, 0.4735, 0.3572

**Protanomaly**

38.9302, 0.4058, 0.3806

**Deuteranomaly**

39.1439, 0.4345, 0.3852

**Tritanomaly**

39.6200, 0.4511, 0.3335

# Monochromacy



**Original Color**

39.6495, 0.4735, 0.3572

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

38.1316, 0.3670, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.6495, 0.4735, 0.3572 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, 135, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 107)  
}
```

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, 135, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 39.6495, 0.4735, 0.3572 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, 135, 107) }
```

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

```
.border{ border-color:rgb(255, 135, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.6495, 0.4735, 0.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 107) }
```

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

```
.background{ background-color: rgb(255,  
135, 107) }
```

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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