

Converting Colors

$Y_{xy}(41.0681, 0.5034, 0.3787)$

Have a look what the booklet for
Yxy(41.0681, 0.5034, 0.3787)
contains.

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Color

Yxy(39.4624, 0.4970, 0.3806)

Conversions

Conversions Part 1

Format	Color
Hex	FF8851
RGB	255, 136, 81
RGB Percent	100%, 53%, 32%
CMY	0.0000, 0.4667, 0.6822
CMYK	0.00, 0.47, 0.68, 0.00
HSL	19°, 100%, 66%
HSV	19°, 68%, 100%
XYZ	51.5313, 39.4624, 12.6910
YIQ	165.3110, 88.5790, 8.1230

Conversions

Conversions Part 2

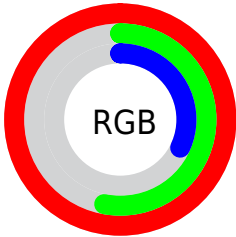
Format	Color
R _Y B	255, 161, 81
Decimal	16746577
CIE Lab	69.08, 40.96, 49.00
CIE LCh	69, 63.867, 50.108
Yxy	39.4624, 0.4970, 0.3806
Android (android.graphics.Color)	4294936657 (0xFFFF8851)
YUV	165.3110, -41.5653, 78.6573
Hunter-Lab	62.8191, 36.4924, 31.9953

Details

The Yxy color **39.4624, 0.4970, 0.3806** 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 **50.2911, 0.2165, 0.2586**, and the grayscale version is **37.9576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1875, 0.4150, 0.3901**, and **17.6514, 0.5440, 0.3815** is the 20% darker color. If you saturate the color by 10%, you get **34.6305, 0.5332, 0.3809**, and if you desaturate by 10%, it is **45.2403, 0.4605, 0.3765**.

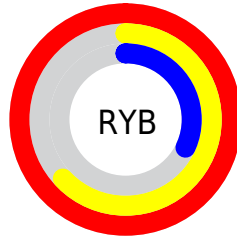
Distribution



Red (100%)

Green (53%)

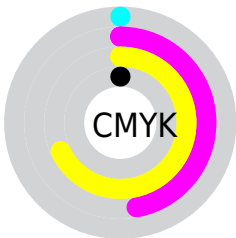
Blue (32%)



Red (100%)

Yellow (63%)

Blue (32%)

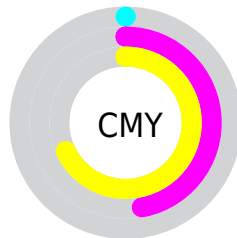


Cyan (0%)

Magenta (47%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4624, 0.4970, 0.3806 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 39.4624, 0.4970, 0.3806 by changing the saturation by 10% instead.


 39.4624, 0.4970,
0.3806


 39.4624, 0.4970,
0.3806


343.8524, 0.4045,
0.3631


 27.1196, 0.5186,
0.3816


 74.3442, 0.4641,
0.3766

 17.6631, 0.5449,
0.3809

 97.6520, 0.4515,
0.3744


 10.7084, 0.5769,
0.3766


 125.3836, 0.4407,
0.3722

 5.8711, 0.6247,
0.3703

 157.9234, 0.4314,
0.3702

 2.7669, 0.6611,
0.3389

 195.6558, 0.4233,
0.3682

 1.0113, 0.7136,
0.2864

238.9651, 0.4163,

 0.0000, 1.0000,

0.3664

0.0000

288.2359, 0.4100,
0.3647

■ 0.0000, 0.0000,
0.0000

■ 39.4624, 0.4970,
0.3806

■ 39.4624, 0.4970,
0.3806

■ 34.6305, 0.5332,
0.3809

■ 45.2403, 0.4605,
0.3765

■ 30.6845, 0.5658,
0.3763

■ 52.0102, 0.4261,
0.3697


■ 27.5606, 0.5915,
0.3671

■ 59.8200, 0.3954,
0.3615

■ 27.0825, 0.5956,
0.3653

■ 68.7130, 0.3686,
0.3527

■ 78.7299, 0.3457,
0.3439

 89.9093, 0.3263,
0.3355

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.



39.4624, 0.4728, 0.3158



39.4624, 0.4970, 0.3806



39.4624, 0.4633, 0.4462

Triad

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



39.4624, 0.4970, 0.3806



39.4624, 0.2249, 0.4162



39.4624, 0.2186, 0.1932

Complementary

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



39.4624, 0.4970, 0.3806



50.2911, 0.2165, 0.2586

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.



39.4624, 0.1720, 0.1982



39.4624, 0.4970, 0.3806



39.4624, 0.1732, 0.3114

Square

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



39.4624, 0.4970, 0.3806



39.4624, 0.3051, 0.4936



39.4624, 0.1567, 0.2352



39.4624, 0.2969, 0.2144

Rectangle

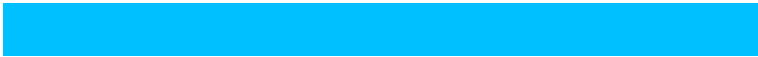
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.4624, 0.4970, 0.3806



39.4624, 0.4185, 0.4833



39.4624, 0.1567, 0.2352



39.4624, 0.1995, 0.1918

Sweetspot

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



39.4639, 0.4970, 0.3806



76.8669, 0.3495, 0.3455



31.4519, 0.3764, 0.2155



15.8376, 0.3557, 0.3479



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.



39.4639, 0.4970, 0.3806



33.0393, 0.5462, 0.3797



73.1490, 0.4278, 0.4577



18.9237, 0.3286, 0.3366



14.3862, 0.5926, 0.3677



1.5871, 0.5705, 0.3852

Inverse Universe

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



50.2911, 0.2165, 0.2586



44.1614, 0.2045, 0.2417



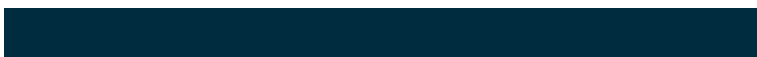
21.4207, 0.1890, 0.1463



19.4564, 0.2980, 0.3213



19.9557, 0.1950, 0.2221



2.1394, 0.1988, 0.2358

Previews

White Background



This preview shows how the Yxy color 39.4624, 0.4970, 0.3806 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 39.4624, 0.4970, 0.3806 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 39.4624, 0.4970, 0.3806

Background



This preview shows how black text looks on a background with the Yxy color 39.4624, 0.4970, 0.3806.



This preview shows how white text looks on a background with the Yxy color 39.4624, 0.4970, 0.3806.

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

39.4624, 0.4970, 0.3806

Protanopia

39.5877, 0.3962, 0.4312

Deuteranopia

39.5530, 0.4380, 0.4298



Tritanopia

39.3860, 0.4396, 0.3201

Trichromacy



Original Color

39.4624, 0.4970, 0.3806

Protanomaly

38.6674, 0.4332, 0.4118

Deuteranomaly

39.1610, 0.4607, 0.4107

Tritanomaly

39.3670, 0.4622, 0.3436

Monochromacy



Original Color

39.4624, 0.4970, 0.3806

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.8382, 0.3779, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4624, 0.4970, 0.3806 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, 136, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 81)  
}
```

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, 136, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 81) }
```

Border

The CSS property to change the border of an element to Yxy 39.4624, 0.4970, 0.3806 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, 136, 81) }
```

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

```
.border{ border-color:rgb(255, 136, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4624, 0.4970, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 81) }
```

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

```
.background{ background-color: rgb(255,  
136, 81) }
```

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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