

# Converting Colors

$Y_{xy}(39.8245, 0.4846, 0.3700)$

Have a look what the booklet for  
Yxy(39.8245, 0.4846, 0.3700)  
contains.

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# Color

**Yxy(39.6945, 0.4845, 0.3691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF885F
RGB	255, 136, 95
RGB Percent	100%, 53%, 37%
CMY	0.0001, 0.4666, 0.6274
CMYK	0.00, 0.47, 0.63, 0.00
HSL	15°, 100%, 69%
HSV	15°, 63%, 100%
XYZ	52.1051, 39.6945, 15.7444
YIQ	166.9070, 84.0850, 12.4770

# Conversions

## Conversions Part 2

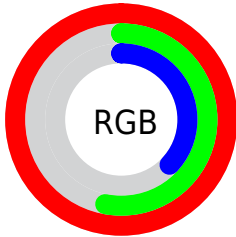
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 150, 95
Decimal	16746591
CIE <sub>Lab</sub>	69.25, 41.75, 42.01
CIE <sub>LCh</sub>	69, 59.229, 45.177
Yxy	39.6945, 0.4845, 0.3691
Android (android.graphics.Color)	4294936671 (0xFFFF885F)
YUV	166.9070, -35.4502, 77.2576
Hunter-Lab	63.0036, 37.3664, 29.2861

# Details

The Yxy color **39.6945, 0.4845, 0.3691** 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 **57.7320, 0.2252, 0.2778**, and the grayscale version is **38.7439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5969, 0.4038, 0.3761**, and **17.7292, 0.5323, 0.3687** is the 20% darker color. If you saturate the color by 10%, you get **34.4285, 0.5241, 0.3705**, and if you desaturate by 10%, it is **46.0613, 0.4464, 0.3647**.

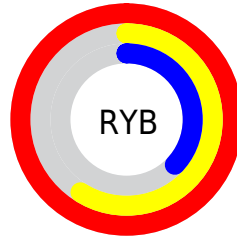
# Distribution



Red (100%)

Green (53%)

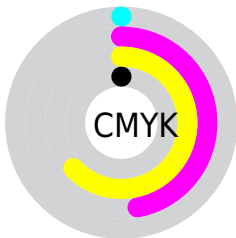
Blue (37%)



Red (100%)

Yellow (59%)

Blue (37%)

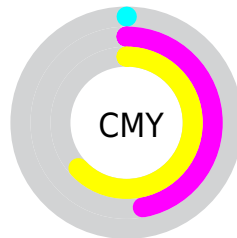


Cyan (0%)

Magenta (47%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (47%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6945, 0.4845, 0.3691 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 39.6945, 0.4845, 0.3691 by changing the saturation by 10% instead.





 39.6945, 0.4845,  
0.3691


 39.6945, 0.4845,  
0.3691


344.8343, 0.3972,  
0.3556

 27.3004, 0.5056,  
0.3699


 74.6981, 0.4531,  
0.3660


 17.7990, 0.5317,  
0.3693


 98.0764, 0.4411,  
0.3643

 10.8058, 0.5646,  
0.3659


 125.8849, 0.4310,  
0.3627

 5.9364, 0.6074,  
0.3571

 158.5080, 0.4223,  
0.3611

 2.8064, 0.6632,  
0.3368

196.3301, 0.4148,  
0.3596

 1.0315, 0.7157,  
0.2843

239.7356, 0.4082,

 0.0000, 1.0000,

0.3582

0.0000

289.1088, 0.4024,  
0.3568

■ 0.0000, 0.0000,  
0.0000

■ 39.6945, 0.4845,  
0.3691

■ 39.6945, 0.4845,  
0.3691

■ 34.4285, 0.5241,  
0.3705

■ 46.0613, 0.4464,  
0.3647

■ 30.1917, 0.5615,  
0.3680

■ 53.5820, 0.4119,  
0.3586

■ 26.9131, 0.5924,  
0.3611

■ 62.3138, 0.3819,  
0.3516

■ 25.0789, 0.6095,  
0.3543

■ 72.3080, 0.3563,  
0.3444

■ 83.6129, 0.3349,  
0.3374

 96.2744, 0.3171,  
0.3307

99.9964, 0.3127,  
0.3290

# Harmonies

## Analogous

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



39.6945, 0.4518, 0.3081



39.6945, 0.4845, 0.3691



39.6945, 0.4624, 0.4309

# Triad

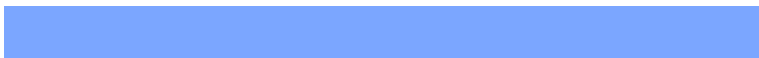
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.6945, 0.4845, 0.3691



39.6945, 0.2426, 0.4242



39.6945, 0.2155, 0.2003

# Complementary

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



39.6945, 0.4845, 0.3691



57.7320, 0.2252, 0.2778

# 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.



39.6945, 0.1760, 0.2101



39.6945, 0.4845, 0.3691



39.6945, 0.1881, 0.3286

# Square

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



39.6945, 0.4845, 0.3691



39.6945, 0.3206, 0.4855



39.6945, 0.1665, 0.2515



39.6945, 0.2846, 0.2164



# Rectangle

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



39.6945, 0.4845, 0.3691



39.6945, 0.4244, 0.4666



39.6945, 0.1665, 0.2515



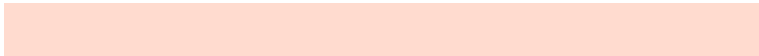
39.6945, 0.1990, 0.2005

# Sweetspot

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



39.6966, 0.4845, 0.3691



76.3904, 0.3479, 0.3417



34.3486, 0.3604, 0.2149



15.6804, 0.3543, 0.3437



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.



39.6966, 0.4845, 0.3691



33.3877, 0.5329, 0.3703



70.6780, 0.4246, 0.4440



18.7438, 0.3288, 0.3352



13.3076, 0.6067, 0.3565



1.4624, 0.5849, 0.3738



# Inverse Universe

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



57.7320, 0.2252, 0.2778



52.4316, 0.2141, 0.2660



26.9814, 0.2008, 0.1723



19.6467, 0.2980, 0.3228



23.1852, 0.2010, 0.2435



2.4331, 0.2040, 0.2544



# Previews

## White Background



This preview shows how the Yxy color 39.6945, 0.4845, 0.3691 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 39.6945, 0.4845, 0.3691 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 39.6945, 0.4845, 0.3691**

## Background



This preview shows how black text looks on a background with the Yxy color 39.6945, 0.4845, 0.3691.



This preview shows how white text looks on a background with the Yxy color 39.6945, 0.4845, 0.3691.

# 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

39.6945, 0.4845, 0.3691

### Protanopia

39.7518, 0.3829, 0.4130

### Deuteranopia

39.9887, 0.4247, 0.4165



## Tritanopia

39.6856, 0.4380, 0.3201

# Trichromacy



**Original Color**

39.6945, 0.4845, 0.3691

**Protanomaly**

38.7949, 0.4191, 0.3957

**Deuteranomaly**

39.5627, 0.4466, 0.3982

**Tritanomaly**

39.4903, 0.4567, 0.3386

# Monochromacy



**Original Color**

39.6945, 0.4845, 0.3691

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

37.8421, 0.3711, 0.3489

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.6945, 0.4845, 0.3691 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 95) }
```

## Border

The CSS property to change the border of an element to Yxy 39.6945, 0.4845, 0.3691 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, 95) }
```

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

```
.border{ border-color:rgb(255, 136, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
95) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.6945, 0.4845, 0.3691 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, 95) }
```

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

```
.background{ background-color: rgb(255,  
136, 95) }
```

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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