

# Converting Colors

Yxy(39.2332, 0.4987, 0.3809)

Have a look what the booklet for  
Yxy(39.2332, 0.4987, 0.3809)  
contains.

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# **Color**

**Yxy(39.1671, 0.4987, 0.3804)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF8750
RGB	255, 135, 80
RGB Percent	100%, 53%, 31%
CMY	0.0001, 0.4705, 0.6862
CMYK	0.00, 0.47, 0.69, 0.00
HSL	19°, 100%, 66%
HSV	19°, 69%, 100%
XYZ	51.3476, 39.1671, 12.4482
YIQ	164.6100, 89.1750, 8.3350

# Conversions

## Conversions Part 2

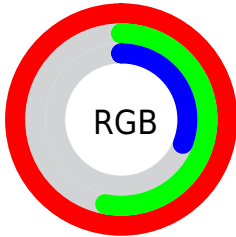
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 160, 80
Decimal	16746320
CIE Lab	68.87, 41.39, 49.26
CIE LCh	69, 64.344, 49.961
Yxy	39.1671, 0.4987, 0.3804
Android (android.graphics.Color)	4294936400 (0xFFFF8750)
YUV	164.6100, -41.7127, 79.2720
Hunter-Lab	62.5836, 36.9315, 32.0154

# Details

The Yxy color **39.1671, 0.4987, 0.3804** 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 **50.2292, 0.2162, 0.2585**, and the grayscale version is **37.6053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7256, 0.4164, 0.3901**, and **17.4919, 0.5461, 0.3809** is the 20% darker color. If you saturate the color by 10%, you get **34.3754, 0.5350, 0.3805**, and if you desaturate by 10%, it is **44.9071, 0.4620, 0.3764**.

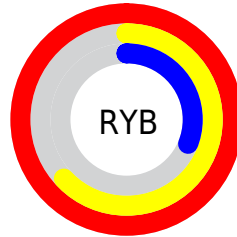
# Distribution



Red (100%)

Green (53%)

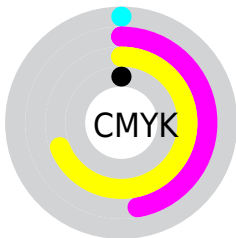
Blue (31%)



Red (100%)

Yellow (63%)

Blue (31%)

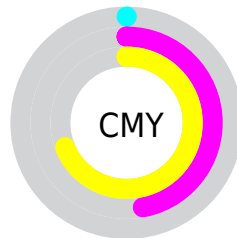


Cyan (0%)

Magenta (47%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (47%)


Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1671, 0.4987, 0.3804 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 39.1671, 0.4987, 0.3804 by changing the saturation by 10% instead.




 39.1671, 0.4987,  
0.3804


 39.1671, 0.4987,  
0.3804


342.6004, 0.4053,  
0.3632

 26.8897, 0.5205,  
0.3813


 73.8935, 0.4655,  
0.3766


 17.4904, 0.5470,  
0.3804


 97.1114, 0.4528,  
0.3744


 10.5848, 0.5793,  
0.3757


 124.7449, 0.4419,  
0.3722

 5.7884, 0.6283,  
0.3694

 157.1784, 0.4325,  
0.3702

 2.7168, 0.6635,  
0.3365

 194.7963, 0.4243,  
0.3682

 0.9857, 0.7168,  
0.2832

237.9830, 0.4172,

 0.0000, 1.0000,

0.3664

0.0000

287.1229, 0.4109,  
0.3648

0.0000, 0.0000,  
0.0000

39.1671, 0.4987,  
0.3804

39.1671, 0.4987,  
0.3804

34.3754, 0.5350,  
0.3805

44.9071, 0.4620,  
0.3764

30.4695, 0.5674,  
0.3757

51.6399, 0.4275,  
0.3698


27.3848, 0.5928,  
0.3664

59.4146, 0.3966,  
0.3617

27.0150, 0.5960,  
0.3650

68.2748, 0.3696,  
0.3529

78.2616, 0.3465,  
0.3442

 89.4137, 0.3270,  
0.3358

99.9963, 0.3127,  
0.3290

# Harmonies

## Analogous

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



39.1671, 0.4741, 0.3152



39.1671, 0.4987, 0.3804



39.1671, 0.4647, 0.4466

# Triad

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



39.1671, 0.4987, 0.3804



39.1671, 0.2244, 0.4176



39.1671, 0.2175, 0.1921

# Complementary

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



39.1671, 0.4987, 0.3804



50.2292, 0.2162, 0.2585

# 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.



39.1671, 0.1708, 0.1973



39.1671, 0.4987, 0.3804



39.1671, 0.1722, 0.3116

# Square

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



39.1671, 0.4987, 0.3804



39.1671, 0.3053, 0.4957



39.1671, 0.1555, 0.2346



39.1671, 0.2962, 0.2133



# Rectangle

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



39.1671, 0.4987, 0.3804



39.1671, 0.4196, 0.4843



39.1671, 0.1555, 0.2346



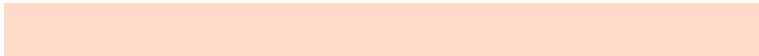
39.1671, 0.1983, 0.1907

# Sweetspot

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



39.1692, 0.4987, 0.3804



75.7873, 0.3517, 0.3463



31.2855, 0.3769, 0.2151



15.6230, 0.3579, 0.3487



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.



39.1692, 0.4987, 0.3804



32.9620, 0.5465, 0.3794



73.0172, 0.4284, 0.4581



18.9186, 0.3286, 0.3365



14.3524, 0.5930, 0.3673



1.5833, 0.5710, 0.3848



# Inverse Universe

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



50.2292, 0.2162, 0.2585



44.3125, 0.2046, 0.2422



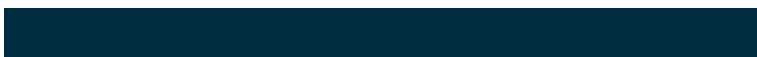
21.1912, 0.1884, 0.1452



19.4617, 0.2980, 0.3214



20.0419, 0.1952, 0.2227



2.1473, 0.1990, 0.2363



# Previews

## White Background



This preview shows how the Yxy color 39.1671, 0.4987, 0.3804 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 39.1671, 0.4987, 0.3804 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

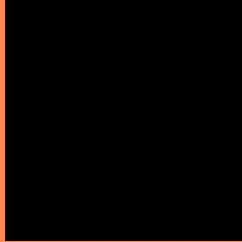
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.1671, 0.4987, 0.3804**

## Background



This preview shows how black text looks on a background with the Yxy color 39.1671, 0.4987, 0.3804.



This preview shows how white text looks on a background with the Yxy color 39.1671, 0.4987, 0.3804.

# 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

39.1671, 0.4987, 0.3804

### Protanopia

39.4456, 0.3959, 0.4328

### Deuteranopia

39.1913, 0.4396, 0.4296



## Tritanopia

39.0893, 0.4413, 0.3201

# Trichromacy



## Original Color

39.1671, 0.4987, 0.3804



## Protanomaly

38.5037, 0.4331, 0.4132



## Deuteranomaly

38.8238, 0.4624, 0.4105



## Tritanomaly

39.0705, 0.4639, 0.3435

# Monochromacy



## Original Color

39.1671, 0.4987, 0.3804



## 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 39.1671, 0.4987, 0.3804 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 80) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1671, 0.4987, 0.3804 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, 80) }
```

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

```
.border{ border-color:rgb(255, 135, 80) }
```

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, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
80) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1671, 0.4987, 0.3804 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, 80) }
```

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

```
.background{ background-color: rgb(255,  
135, 80) }
```

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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