

# Converting Colors

$Yxy(39.1945, 0.5177, 0.4003)$

Have a look what the booklet for  
Yxy(39.1945, 0.5177, 0.4003)  
contains.

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# Color

**Yxy(39.1073, 0.5180, 0.4000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF8833
RGB	255, 136, 51
RGB Percent	100%, 53%, 20%
CMY	0.0000, 0.4667, 0.7998
CMYK	0.00, 0.47, 0.80, 0.00
HSL	25°, 100%, 60%
HSV	25°, 80%, 100%
XYZ	50.6440, 39.1073, 8.0170
YIQ	161.8910, 98.2090, -1.2070

# Conversions

## Conversions Part 2

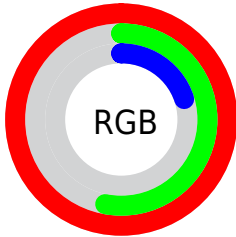
Format	Color
R <sub>Y</sub> B	255, 197, 51
Decimal	16746547
CIE Lab	68.83, 39.71, 62.43
CIE LCh	69, 73.990, 57.540
Yxy	39.1073, 0.5180, 0.4000
Android (android.graphics.Color)	4294936627 (0xFFFF8833)
YUV	161.8910, -54.6693, 81.6566
Hunter-Lab	62.5358, 35.1186, 36.1742

# Details

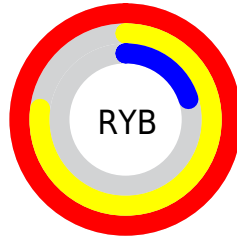
The Yxy color **39.1073, 0.5180, 0.4000** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **36.6934, 0.1984, 0.2153**, and the grayscale version is **36.3070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5211, 0.4356, 0.4157**, and **17.5471, 0.5594, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **35.0376, 0.5456, 0.3960**, and if you desaturate by 10%, it is **43.8846, 0.4870, 0.3987**.

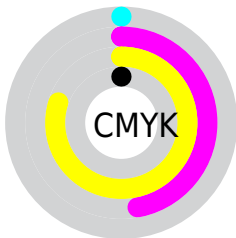
# Distribution



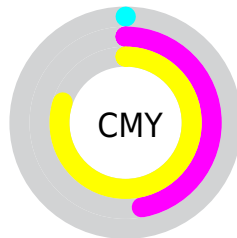
- Red (100%)
- Green (53%)
- Blue (20%)



- Red (100%)
- Yellow (77%)
- Blue (20%)



- Cyan (0%)
- Magenta (47%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (47%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1073, 0.5180, 0.4000 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 39.1073, 0.5180, 0.4000 by changing the saturation by 10% instead.





 39.1073, 0.5180,  
0.4000


 39.1073, 0.5180,  
0.4000


342.3465, 0.4182,  
0.3771


 26.8432, 0.5394,  
0.4006


 73.8022, 0.4839,  
0.3954

 17.4555, 0.5642,  
0.3985


 97.0018, 0.4703,  
0.3925


 10.5598, 0.5952,  
0.3930

 124.6154, 0.4586,  
0.3896

 5.7717, 0.6248,  
0.3752

 157.0273, 0.4483,  
0.3868

 2.7067, 0.6577,  
0.3423

 194.6220, 0.4394,  
0.3842

 0.9806, 0.7101,  
0.2899

 237.7838, 0.4315,

 0.0000, 1.0000,

0.3817

0.0000

286.8972, 0.4244,  
0.3793

■ 0.0000, 0.0000,  
0.0000

■ 39.1073, 0.5180,  
0.4000

■ 39.1073, 0.5180,  
0.4000

■ 35.0376, 0.5456,  
0.3960

■ 43.8846, 0.4870,  
0.3987

■ 31.6189, 0.5682,  
0.3870

■ 49.4056, 0.4552,  
0.3929

■ 31.6124, 0.5682,  
0.3870

■ 55.7076, 0.4244,  
0.3841

■ 62.8239, 0.3961,  
0.3735

■ 70.7853, 0.3707,  
0.3620

79.6208, 0.3485,  
0.3506

89.3580, 0.3292,  
0.3395

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.



39.1073, 0.5115, 0.3280



39.1073, 0.5180, 0.4000



39.1073, 0.4629, 0.4746

# Triad

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



39.1073, 0.5180, 0.4000



39.1073, 0.1929, 0.3997



39.1073, 0.2239, 0.1801

# Complementary

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



39.1073, 0.5180, 0.4000



36.6934, 0.1984, 0.2153

# 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.



39.1073, 0.1641, 0.1773



39.1073, 0.5180, 0.4000



39.1073, 0.1471, 0.2801

# Square

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



39.1073, 0.5180, 0.4000



39.1073, 0.2761, 0.5094



39.1073, 0.1392, 0.2068



39.1073, 0.3202, 0.2099



# Rectangle

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



39.1073, 0.5180, 0.4000



39.1073, 0.4061, 0.5160



39.1073, 0.1392, 0.2068



39.1073, 0.1998, 0.1760

# Sweetspot

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



39.1086, 0.5180, 0.4000



75.9614, 0.3570, 0.3552



26.6657, 0.4205, 0.2242



15.5905, 0.3650, 0.3593



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.



39.1086, 0.5180, 0.4000



32.9074, 0.5596, 0.3909



80.6904, 0.4276, 0.4830



19.2301, 0.3284, 0.3389



16.7966, 0.5654, 0.3893



1.8452, 0.5450, 0.4055

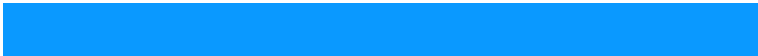


# Inverse Universe

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



36.6934, 0.1984, 0.2153



30.0793, 0.1866, 0.1898



12.4888, 0.1668, 0.0960



19.1389, 0.2979, 0.3189



15.2704, 0.1851, 0.1861



1.7027, 0.1900, 0.2040



# Previews

## White Background



This preview shows how the Yxy color 39.1073, 0.5180, 0.4000 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 39.1073, 0.5180, 0.4000 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 39.1073, 0.5180, 0.4000**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.1073, 0.5180, 0.4000.



This preview shows how white text looks on a background with the Yxy color 39.1073, 0.5180, 0.4000.

# 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

39.1073, 0.5180, 0.4000

### Protanopia

39.3935, 0.4199, 0.4627

### Deuteranopia

39.3058, 0.4608, 0.4512



## Tritanopia

39.0602, 0.4425, 0.3212

# Trichromacy



## Original Color

39.1073, 0.5180, 0.4000

## Protanomaly

38.4064, 0.4564, 0.4388

## Deuteranomaly

38.8167, 0.4836, 0.4311

## Tritanomaly

38.8031, 0.4767, 0.3551

# Monochromacy



## Original Color

39.1073, 0.5180, 0.4000

## Achromatopsia

36.1307, 0.3127, 0.3290

## Achromatomaly

35.9234, 0.3885, 0.3705

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.1073, 0.5180, 0.4000 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1073, 0.5180, 0.4000 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, 51) }
```

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

```
.border{ border-color:rgb(255, 136, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1073, 0.5180, 0.4000 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
136, 51) }
```

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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