

# Converting Colors

$Y_{xy}(72.2803, 0.5757, 0.3627)$

Have a look what the booklet for  
Yxy(72.2803, 0.5757, 0.3627)  
contains.

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# Color

**Yxy(39.4882, 0.5110, 0.3954)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF893D
RGB	255, 137, 61
RGB Percent	100%, 54%, 24%
CMY	0.0000, 0.4628, 0.7608
CMYK	0.00, 0.46, 0.76, 0.00
HSL	24°, 100%, 62%
HSV	24°, 76%, 100%
XYZ	51.0331, 39.4882, 9.3477
YIQ	163.6180, 94.7240, 1.3800

# Conversions

## Conversions Part 2

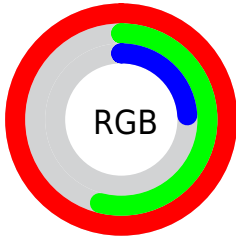
Format	Color
R <sub>Y</sub> B	255, 186, 61
Decimal	16746813
CIE Lab	69.10, 39.56, 58.50
CIE LCh	69, 70.623, 55.930
Yxy	39.4882, 0.5110, 0.3954
Android (android.graphics.Color)	4294936893 (0xFFFF893D)
YUV	163.6180, -50.5907, 80.1420
Hunter-Lab	62.8396, 34.9933, 35.1680

# Details

The Yxy color **39.4882, 0.5110, 0.3954** 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 **40.4571, 0.2039, 0.2285**, and the grayscale version is **37.1428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1515, 0.4287, 0.4088**, and **17.7057, 0.5575, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **35.1770, 0.5414, 0.3931**, and if you desaturate by 10%, it is **44.5614, 0.4781, 0.3927**.

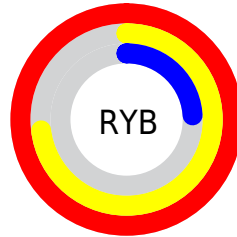
# Distribution



Red (100%)

Green (54%)

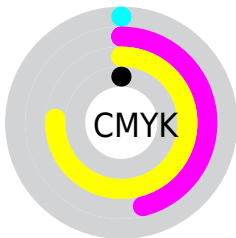
Blue (24%)



Red (100%)

Yellow (73%)

Blue (24%)

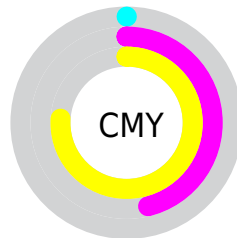


Cyan (0%)

Magenta (46%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (46%)


Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4882, 0.5110, 0.3954 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 39.4882, 0.5110, 0.3954 by changing the saturation by 10% instead.





 39.4882, 0.5110,  
0.3954


 39.4882, 0.5110,  
0.3954


343.9617, 0.4136,  
0.3733

 27.1397, 0.5325,  
0.3964


 74.3835, 0.4773,  
0.3906


 17.6782, 0.5577,  
0.3950

 97.6992, 0.4640,  
0.3878


 10.7192, 0.5878,  
0.3895


 125.4393, 0.4526,  
0.3851

 5.8783, 0.6236,  
0.3764

 157.9884, 0.4427,  
0.3824

 2.7712, 0.6561,  
0.3439

 195.7308, 0.4340,  
0.3799

 1.0135, 0.7077,  
0.2923

239.0509, 0.4264,

 0.0000, 1.0000,

0.3776

0.0000

288.3330, 0.4197,  
0.3754

■ 0.0000, 0.0000,  
0.0000

■ 39.4882, 0.5110,  
0.3954

■ 39.4882, 0.5110,  
0.3954

■ 35.1770, 0.5414,  
0.3931

■ 44.5614, 0.4781,  
0.3927

■ 31.5843, 0.5666,  
0.3853

■ 50.4420, 0.4454,  
0.3862

■ 30.3524, 0.5753,  
0.3814

■ 57.1666, 0.4145,  
0.3771

■ 64.7704, 0.3866,  
0.3667

■ 73.2861, 0.3621,  
0.3559

82.7447, 0.3408,  
0.3452

93.1756, 0.3225,  
0.3349

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.



39.4882, 0.4998, 0.3257



39.4882, 0.5110, 0.3954



39.4882, 0.4620, 0.4666

# Triad

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



39.4882, 0.5110, 0.3954



39.4882, 0.2020, 0.4028



39.4882, 0.2237, 0.1847

# Complementary

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



39.4882, 0.5110, 0.3954



40.4571, 0.2039, 0.2285

# 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.



39.4882, 0.1676, 0.1837



39.4882, 0.5110, 0.3954



39.4882, 0.1549, 0.2883

# Square

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



39.4882, 0.5110, 0.3954



39.4882, 0.2838, 0.5029



39.4882, 0.1450, 0.2149



39.4882, 0.3146, 0.2123



# Rectangle

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



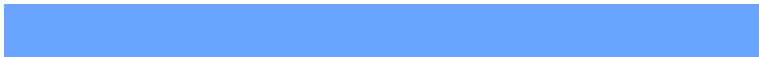
39.4882, 0.5110, 0.3954



39.4882, 0.4086, 0.5060



39.4882, 0.1450, 0.2149



39.4882, 0.2010, 0.1812

# Sweetspot

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



39.4870, 0.5110, 0.3954



76.0936, 0.3552, 0.3526



27.9195, 0.4086, 0.2227



15.5833, 0.3633, 0.3565



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.



39.4870, 0.5110, 0.3954



33.3215, 0.5546, 0.3899



79.5173, 0.4265, 0.4774



19.1541, 0.3284, 0.3384



16.1293, 0.5724, 0.3837



1.7757, 0.5514, 0.4004

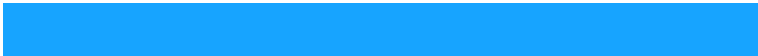


# Inverse Universe

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



40.4571, 0.2039, 0.2285



33.9898, 0.1919, 0.2058



14.4971, 0.1728, 0.1083



19.2169, 0.2979, 0.3195



16.3410, 0.1875, 0.1950



1.8039, 0.1922, 0.2118



# Previews

## White Background



This preview shows how the Yxy color 39.4882, 0.5110, 0.3954 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 39.4882, 0.5110, 0.3954 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 39.4882, 0.5110, 0.3954**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.4882, 0.5110, 0.3954.



This preview shows how white text looks on a background with the Yxy color 39.4882, 0.5110, 0.3954.

# 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

39.4882, 0.5110, 0.3954

### Protanopia

39.5095, 0.4139, 0.4538

### Deuteranopia

39.7531, 0.4540, 0.4450



## Tritanopia

39.3860, 0.4396, 0.3201

# Trichromacy



## Original Color

39.4882, 0.5110, 0.3954

## Protanomaly

38.5162, 0.4501, 0.4310

## Deuteranomaly

39.2459, 0.4761, 0.4250

## Tritanomaly

39.1828, 0.4708, 0.3514

# Monochromacy



## Original Color

39.4882, 0.5110, 0.3954

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

36.5138, 0.3840, 0.3650

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.4882, 0.5110, 0.3954 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, 137, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 61)  
}
```

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, 137, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 61) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4882, 0.5110, 0.3954 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, 137, 61) }
```

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

```
.border{ border-color:rgb(255, 137, 61) }
```

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

Here you see how a box with a 4 pixel rgb(255, 137, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
61) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4882, 0.5110, 0.3954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 61) }
```

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

```
.background{ background-color: rgb(255,  
137, 61) }
```

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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