

Converting Colors

$Yxy(39.0369, 0.5068, 0.3878)$

Have a look what the booklet for
Yxy(39.0369, 0.5068, 0.3878)
contains.

Yxy(39.0301, 0.5067, 0.3877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.0301, 0.5067, 0.3877)

Conversions

Conversions Part 1

Format	Color
Hex	FF8746
RGB	255, 135, 70
RGB Percent	100%, 53%, 27%
CMY	0.0000, 0.4706, 0.7257
CMYK	0.00, 0.47, 0.73, 0.00
HSL	21°, 100%, 64%
HSV	21°, 73%, 100%
XYZ	51.0099, 39.0301, 10.6308
YIQ	163.4700, 92.3850, 5.2250

Conversions

Conversions Part 2

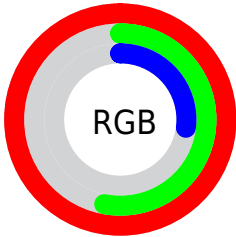
Format	Color
R_{YB}	255, 170, 70
Decimal	16746310
CIE _{Lab}	68.77, 40.93, 54.07
CIE _{LCh}	69, 67.809, 52.876
Yxy	39.0301, 0.5067, 0.3877
Android (android.graphics.Color)	4294936390 (0xFFFF8746)
YUV	163.4700, -46.0807, 80.2718
Hunter-Lab	62.4741, 36.4152, 33.6428

Details

The Yxy color **39.0301, 0.5067, 0.3877** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **45.3232, 0.2100, 0.2442**, and the grayscale version is **37.0477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4674, 0.4241, 0.3996**, and **17.4367, 0.5542, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **34.5132, 0.5402, 0.3865**, and if you desaturate by 10%, it is **44.4022, 0.4716, 0.3844**.

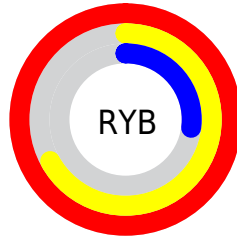
Distribution



Red (100%)

Green (53%)

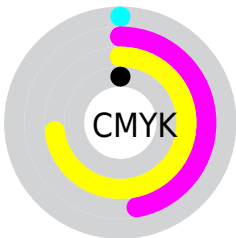
Blue (27%)



Red (100%)

Yellow (67%)

Blue (27%)

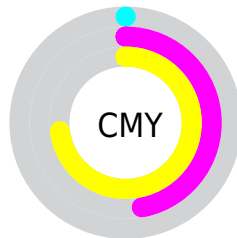


Cyan (0%)

Magenta (47%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0301, 0.5067, 0.3877 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 39.0301, 0.5067, 0.3877 by changing the saturation by 10% instead.

 39.0301, 0.5067,
0.3877


 39.0301, 0.5067,
0.3877


342.0184, 0.4102,
0.3682


 26.7831, 0.5286,
0.3886


 73.6843, 0.4728,
0.3835

 17.4104, 0.5548,
0.3873


 96.8603, 0.4597,
0.3810


 10.5275, 0.5860,
0.3816


 124.4482, 0.4484,
0.3786

 5.7501, 0.6286,
0.3714

 156.8322, 0.4387,
0.3763

 2.6937, 0.6623,
0.3377

 194.3969, 0.4302,
0.3740

 0.9740, 0.7156,
0.2844

237.5266, 0.4227,

 0.0000, 1.0000,

0.3720

0.0000

286.6056, 0.4161,
0.3700

■ 0.0000, 0.0000,
0.0000

■ 39.0301, 0.5067,
0.3877

■ 39.0301, 0.5067,
0.3877

■ 34.5132, 0.5402,
0.3865

■ 44.4022, 0.4716,
0.3844

■ 30.7968, 0.5690,
0.3801

■ 50.6727, 0.4376,
0.3778

■ 28.5129, 0.5864,
0.3726

■ 57.8850, 0.4064,
0.3691

■ 66.0785, 0.3787,
0.3596

■ 75.2901, 0.3547,
0.3498

 85.5546, 0.3342,
0.3402

 96.9054, 0.3168,
0.3312

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.



39.0301, 0.4882, 0.3199



39.0301, 0.5067, 0.3877



39.0301, 0.4649, 0.4569

Triad

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



39.0301, 0.5067, 0.3877



39.0301, 0.2126, 0.4119



39.0301, 0.2194, 0.1873

Complementary

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



39.0301, 0.5067, 0.3877



45.3232, 0.2100, 0.2442

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.



39.0301, 0.1680, 0.1895



39.0301, 0.5067, 0.3877



39.0301, 0.1625, 0.3001

Square

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



39.0301, 0.5067, 0.3877



39.0301, 0.2948, 0.5014



39.0301, 0.1491, 0.2240



39.0301, 0.3045, 0.2118

Rectangle

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



39.0301, 0.5067, 0.3877



39.0301, 0.4153, 0.4960



39.0301, 0.1491, 0.2240



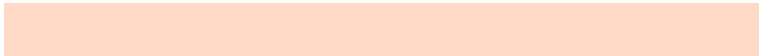
39.0301, 0.1985, 0.1849

Sweetspot

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



39.0311, 0.5067, 0.3877



75.8451, 0.3535, 0.3492



29.3620, 0.3941, 0.2194



15.6739, 0.3596, 0.3519



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.



39.0311, 0.5067, 0.3877



32.7707, 0.5537, 0.3843



76.7725, 0.4272, 0.4693



19.0316, 0.3286, 0.3374



15.1511, 0.5834, 0.3750



1.6713, 0.5616, 0.3923

Inverse Universe

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



45.3232, 0.2100, 0.2442



38.9930, 0.1981, 0.2245



17.2010, 0.1796, 0.1240



19.3436, 0.2980, 0.3204



18.1916, 0.1915, 0.2093



1.9767, 0.1957, 0.2245

Previews

White Background



This preview shows how the Yxy color 39.0301, 0.5067, 0.3877 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 39.0301, 0.5067, 0.3877 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 39.0301, 0.5067, 0.3877

Background



This preview shows how black text looks on a background with the Yxy color 39.0301, 0.5067, 0.3877.



This preview shows how white text looks on a background with the Yxy color 39.0301, 0.5067, 0.3877.

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

39.0301, 0.5067, 0.3877

Protanopia

39.0236, 0.4059, 0.4436

Deuteranopia

39.2021, 0.4479, 0.4385



Tritanopia

39.0602, 0.4425, 0.3212

Trichromacy



Original Color

39.0301, 0.5067, 0.3877

Protanomaly

38.1476, 0.4436, 0.4225

Deuteranomaly

38.6953, 0.4696, 0.4186

Tritanomaly

38.9548, 0.4693, 0.3484

Monochromacy



Original Color

39.0301, 0.5067, 0.3877

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.1032, 0.3814, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0301, 0.5067, 0.3877 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 70) }
```

Border

The CSS property to change the border of an element to Yxy 39.0301, 0.5067, 0.3877 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, 70) }
```

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

```
.border{ border-color:rgb(255, 135, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0301, 0.5067, 0.3877 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, 70) }
```

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

```
.background{ background-color: rgb(255,  
135, 70) }
```

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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