

Converting Colors

$Y_{xy}(44.4644, 0.5234, 0.3811)$

Have a look what the booklet for
Yxy(44.4644, 0.5234, 0.3811)
contains.

Yxy(39.3105, 0.5057, 0.3886)	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(39.3105, 0.5057, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	FF8846
RGB	255, 136, 70
RGB Percent	100%, 53%, 27%
CMY	0.0000, 0.4667, 0.7253
CMYK	0.00, 0.47, 0.73, 0.00
HSL	21°, 100%, 64%
HSV	21°, 73%, 100%
XYZ	51.1563, 39.3105, 10.6925
YIQ	164.0570, 92.1100, 4.7020

Conversions

Conversions Part 2

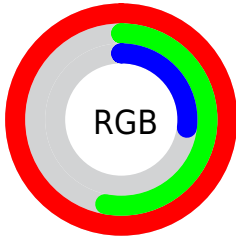
Format	Color
R _Y B	255, 173, 70
Decimal	16746566
CIE Lab	68.98, 40.44, 54.24
CIE LCh	69, 67.655, 53.291
Yxy	39.3105, 0.5057, 0.3886
Android (android.graphics.Color)	4294936646 (0xFFFF8846)
YUV	164.0570, -46.3701, 79.7570
Hunter-Lab	62.6981, 35.9190, 33.7773

Details

The Yxy color **39.3105, 0.5057, 0.3886** 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 **44.9406, 0.2097, 0.2430**, and the grayscale version is **37.3444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9021, 0.4235, 0.4006**, and **17.5908, 0.5528, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **34.7792, 0.5390, 0.3875**, and if you desaturate by 10%, it is **44.6826, 0.4709, 0.3852**.

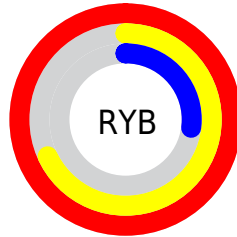
Distribution



Red (100%)

Green (53%)

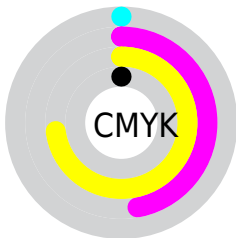
Blue (27%)



Red (100%)

Yellow (68%)

Blue (27%)

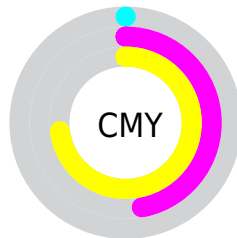


Cyan (0%)

Magenta (47%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3105, 0.5057, 0.3886 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 39.3105, 0.5057, 0.3886 by changing the saturation by 10% instead.


 39.3105, 0.5057,
0.3886

 39.3105, 0.5057,
0.3886


343.2088, 0.4098,
0.3687

 27.0014, 0.5274,
0.3896


 74.1124, 0.4721,
0.3842

 17.5742, 0.5534,
0.3885


 97.3740, 0.4590,
0.3817

 10.6448, 0.5842,
0.3831


 125.0552, 0.4478,
0.3792

 5.8285, 0.6266,
0.3734

 157.5403, 0.4381,
0.3768

 2.7411, 0.6597,
0.3403

 195.2139, 0.4297,
0.3745

 0.9981, 0.7122,
0.2878

238.4602, 0.4223,

 0.0000, 1.0000,

0.3724

0.0000

287.6637, 0.4157,
0.3705

■ 0.0000, 0.0000,
0.0000

■ 39.3105, 0.5057,
0.3886

■ 39.3105, 0.5057,
0.3886

■ 34.7792, 0.5390,
0.3875

■ 44.6826, 0.4709,
0.3852

■ 31.0429, 0.5676,
0.3812


■ 50.9458, 0.4371,
0.3784

■ 28.7293, 0.5850,
0.3737

■ 58.1402, 0.4061,
0.3697

■ 66.3043, 0.3785,
0.3600

■ 75.4745, 0.3546,
0.3500

 85.6851, 0.3341,
0.3404

 96.9687, 0.3167,
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.



39.3105, 0.4882, 0.3210



39.3105, 0.5057, 0.3886



39.3105, 0.4635, 0.4574

Triad

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



39.3105, 0.5057, 0.3886



39.3105, 0.2121, 0.4099



39.3105, 0.2208, 0.1880

Complementary

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



39.3105, 0.5057, 0.3886



44.9406, 0.2097, 0.2430

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.



39.3105, 0.1690, 0.1898



39.3105, 0.5057, 0.3886



39.3105, 0.1627, 0.2990

Square

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



39.3105, 0.5057, 0.3886



39.3105, 0.2937, 0.4998



39.3105, 0.1497, 0.2237



39.3105, 0.3060, 0.2127

Rectangle

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



39.3105, 0.5057, 0.3886



39.3105, 0.4139, 0.4960



39.3105, 0.1497, 0.2237



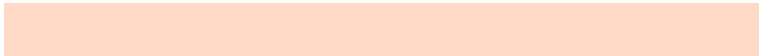
39.3105, 0.1997, 0.1855

Sweetspot

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



39.3089, 0.5057, 0.3886



75.9915, 0.3534, 0.3495



29.3750, 0.3940, 0.2194



15.7081, 0.3595, 0.3522



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.



39.3089, 0.5057, 0.3886



33.0152, 0.5525, 0.3853



76.7813, 0.4272, 0.4693



19.0468, 0.3285, 0.3375



15.2665, 0.5820, 0.3761



1.6838, 0.5604, 0.3933

Inverse Universe

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



44.9406, 0.2097, 0.2430



38.5556, 0.1976, 0.2229



17.2191, 0.1796, 0.1241



19.3277, 0.2980, 0.3203



17.9526, 0.1910, 0.2075



1.9545, 0.1953, 0.2229

Previews

White Background



This preview shows how the Yxy color 39.3105, 0.5057, 0.3886 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 39.3105, 0.5057, 0.3886 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 39.3105, 0.5057, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 39.3105, 0.5057, 0.3886.



This preview shows how white text looks on a background with the Yxy color 39.3105, 0.5057, 0.3886.

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

39.3105, 0.5057, 0.3886

Protanopia

39.5199, 0.4061, 0.4442

Deuteranopia

39.2134, 0.4473, 0.4377



Tritanopia

39.3567, 0.4408, 0.3212

Trichromacy



Original Color

39.3105, 0.5057, 0.3886

Protanomaly

38.6328, 0.4437, 0.4231

Deuteranomaly

38.6953, 0.4696, 0.4186

Tritanomaly

39.2500, 0.4676, 0.3485

Monochromacy



Original Color

39.3105, 0.5057, 0.3886

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.5932, 0.3810, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3105, 0.5057, 0.3886 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 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, 136, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 70) }
```

Border

The CSS property to change the border of an element to Yxy 39.3105, 0.5057, 0.3886 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, 70) }
```

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

```
.border{ border-color:rgb(255, 136, 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, 136, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3105, 0.5057, 0.3886 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, 70) }
```

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

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