

Converting Colors

Yxy(66.2155, 0.5648, 0.3633)

Have a look what the booklet for
Yxy(66.2155, 0.5648, 0.3633)
contains.

Yxy(39.5935, 0.5047, 0.3896)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.5935, 0.5047, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	FF8946
RGB	255, 137, 70
RGB Percent	100%, 54%, 27%
CMY	0.0000, 0.4627, 0.7253
CMYK	0.00, 0.46, 0.73, 0.00
HSL	22°, 100%, 64%
HSV	22°, 73%, 100%
XYZ	51.2907, 39.5935, 10.7419
YIQ	164.6440, 91.8350, 4.1790

Conversions

Conversions Part 2

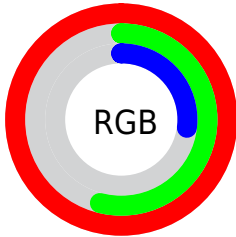
Format	Color
R_{YB}	255, 175, 70
Decimal	16746822
CIE _{Lab}	69.18, 39.92, 54.45
CIE _{LCh}	69, 67.513, 53.751
Yxy	39.5935, 0.5047, 0.3896
Android (android.graphics.Color)	4294936902 (0xFFFF8946)
YUV	164.6440, -46.6595, 79.2422
Hunter-Lab	62.9234, 35.3846, 33.9248

Details

The Yxy color **39.5935, 0.5047, 0.3896** 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 **44.5056, 0.2094, 0.2416**, and the grayscale version is **37.6462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3397, 0.4229, 0.4015**, and **17.7439, 0.5518, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **35.0569, 0.5377, 0.3886**, and if you desaturate by 10%, it is **44.9683, 0.4701, 0.3860**.

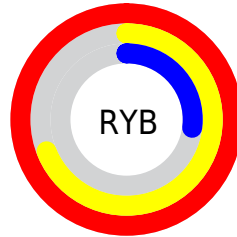
Distribution



Red (100%)

Green (54%)

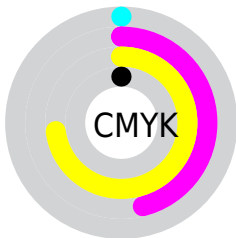
Blue (27%)



Red (100%)

Yellow (69%)

Blue (27%)

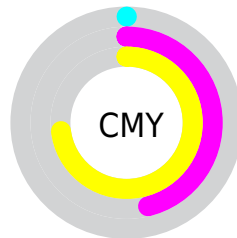


Cyan (0%)

Magenta (46%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5935, 0.5047, 0.3896 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 39.5935, 0.5047, 0.3896 by changing the saturation by 10% instead.


 39.5935, 0.5047,
0.3896


 39.5935, 0.5047,
0.3896


344.4072, 0.4095,
0.3691


 27.2217, 0.5263,
0.3908


 74.5441, 0.4714,
0.3850

 17.7398, 0.5520,
0.3898


 97.8918, 0.4584,
0.3824

 10.7634, 0.5825,
0.3848


 125.6668, 0.4472,
0.3799

 5.9079, 0.6245,
0.3755

 158.2537, 0.4376,
0.3774

 2.7892, 0.6571,
0.3429

 196.0368, 0.4292,
0.3751

 1.0227, 0.7087,
0.2913

239.4005, 0.4218,

 0.0000, 1.0000,

0.3730

0.0000

288.7292, 0.4153,
0.3710

■ 0.0000, 0.0000,
0.0000

■ 39.5935, 0.5047,
0.3896

■ 39.5935, 0.5047,
0.3896

■ 35.0569, 0.5377,
0.3886

■ 44.9683, 0.4701,
0.3860

■ 31.3024, 0.5662,
0.3823


■ 51.2194, 0.4366,
0.3792

■ 28.9683, 0.5835,
0.3749

■ 58.3898, 0.4058,
0.3703

■ 66.5174, 0.3783,
0.3604

■ 75.6379, 0.3545,
0.3503

 85.7849, 0.3341,
0.3405

 96.9904, 0.3167,
0.3312

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



39.5935, 0.4882, 0.3221



39.5935, 0.5047, 0.3896



39.5935, 0.4621, 0.4581

Triad

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



39.5935, 0.5047, 0.3896



39.5935, 0.2115, 0.4078



39.5935, 0.2222, 0.1887

Complementary

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



39.5935, 0.5047, 0.3896



44.5056, 0.2094, 0.2416

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.



39.5935, 0.1700, 0.1900



39.5935, 0.5047, 0.3896



39.5935, 0.1628, 0.2977

Square

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



39.5935, 0.5047, 0.3896



39.5935, 0.2925, 0.4981



39.5935, 0.1503, 0.2234



39.5935, 0.3076, 0.2137

Rectangle

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



39.5935, 0.5047, 0.3896



39.5935, 0.4123, 0.4961



39.5935, 0.1503, 0.2234



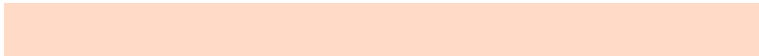
39.5935, 0.2010, 0.1860

Sweetspot

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



39.5956, 0.5047, 0.3896



76.1519, 0.3534, 0.3498



29.3749, 0.3940, 0.2194



15.7457, 0.3594, 0.3525



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.



39.5956, 0.5047, 0.3896



33.2860, 0.5512, 0.3864



76.7775, 0.4272, 0.4693



19.0635, 0.3285, 0.3377



15.3948, 0.5805, 0.3772



1.6976, 0.5590, 0.3944

Inverse Universe

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



44.5056, 0.2094, 0.2416



38.0814, 0.1972, 0.2211



17.2205, 0.1796, 0.1241



19.3104, 0.2980, 0.3202



17.6938, 0.1904, 0.2056



1.9304, 0.1948, 0.2212

Previews

White Background



This preview shows how the Yxy color 39.5935, 0.5047, 0.3896 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 39.5935, 0.5047, 0.3896 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 39.5935, 0.5047, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 39.5935, 0.5047, 0.3896.



This preview shows how white text looks on a background with the Yxy color 39.5935, 0.5047, 0.3896.

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

39.5935, 0.5047, 0.3896

Protanopia

40.0200, 0.4064, 0.4448

Deuteranopia

39.7088, 0.4473, 0.4382



Tritanopia

39.6560, 0.4391, 0.3211

Trichromacy



Original Color

39.5935, 0.5047, 0.3896

Protanomaly

38.9726, 0.4428, 0.4242

Deuteranomaly

39.1807, 0.4695, 0.4192

Tritanomaly

39.5480, 0.4658, 0.3485

Monochromacy



Original Color

39.5935, 0.5047, 0.3896

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.0602, 0.3816, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5935, 0.5047, 0.3896 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 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, 137, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 70) }
```

Border

The CSS property to change the border of an element to Yxy 39.5935, 0.5047, 0.3896 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, 70) }
```

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

```
.border{ border-color:rgb(255, 137, 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, 137, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5935, 0.5047, 0.3896 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, 70) }
```

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

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