

Converting Colors

$Y_{xy}(39.7772, 0.5081, 0.3945)$

Have a look what the booklet for
Yxy(39.7772, 0.5081, 0.3945)
contains.

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Color

Yxy(39.8071, 0.5080, 0.3945)

Conversions

Conversions Part 1

Format	Color
Hex	FF8A40
RGB	255, 138, 64
RGB Percent	100%, 54%, 25%
CMY	0.0000, 0.4588, 0.7489
CMYK	0.00, 0.46, 0.75, 0.00
HSL	23°, 100%, 63%
HSV	23°, 75%, 100%
XYZ	51.2598, 39.8071, 9.8383
YIQ	164.5470, 93.4860, 1.7900

Conversions

Conversions Part 2

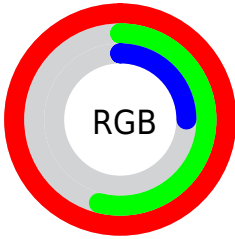
Format	Color
R _Y B	255, 185, 64
Decimal	16747072
CIE Lab	69.33, 39.18, 57.38
CIE LCh	69, 69.478, 55.674
Yxy	39.8071, 0.5080, 0.3945
Android (android.graphics.Color)	4294937152 (0xFFFF8A40)
YUV	164.5470, -49.5697, 79.3273
Hunter-Lab	63.0929, 34.6099, 34.9197

Details

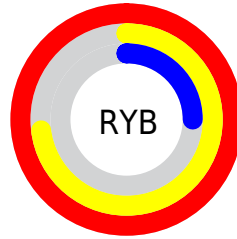
The Yxy color **39.8071, 0.5080, 0.3945** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **41.3787, 0.2053, 0.2315**, and the grayscale version is **37.6066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6609, 0.4259, 0.4071**, and **17.8752, 0.5544, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **35.4134, 0.5390, 0.3927**, and if you desaturate by 10%, it is **44.9759, 0.4748, 0.3914**.

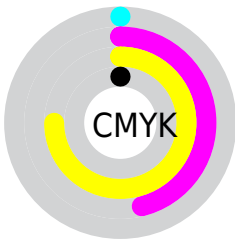
Distribution



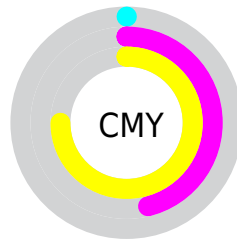
- Red (100%)
- Green (54%)
- Blue (25%)



- Red (100%)
- Yellow (73%)
- Blue (25%)



- Cyan (0%)
- Magenta (46%)
- Yellow (75%)
- Black (0%)




- Cyan (0%)
- Magenta (46%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8071, 0.5080, 0.3945 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 39.8071, 0.5080, 0.3945 by changing the saturation by 10% instead.


 39.8071, 0.5080,
0.3945


 39.8071, 0.5080,
0.3945


345.3099, 0.4119,
0.3724

 27.3882, 0.5293,
0.3957


 74.8697, 0.4746,
0.3896


 17.8650, 0.5545,
0.3947


 98.2821, 0.4616,
0.3868


 10.8531, 0.5843,
0.3895


 126.1279, 0.4503,
0.3840

 5.9681, 0.6219,
0.3781

 158.7913, 0.4405,
0.3814

 2.8257, 0.6539,
0.3461

 196.6568, 0.4320,
0.3789

 1.0414, 0.7045,
0.2955

240.1088, 0.4245,

 0.0000, 1.0000,

0.3766

0.0000

289.5317, 0.4179,
0.3744

■ 0.0000, 0.0000,
0.0000

■ 39.8071, 0.5080,
0.3945

■ 39.8071, 0.5080,
0.3945

■ 35.4134, 0.5390,
0.3927

■ 44.9759, 0.4748,
0.3914

■ 31.7514, 0.5652,
0.3856


■ 50.9653, 0.4420,
0.3846

■ 30.1370, 0.5766,
0.3804

■ 57.8122, 0.4113,
0.3754

■ 65.5518, 0.3837,
0.3651

■ 74.2173, 0.3594,
0.3543

 83.8400, 0.3385,
0.3437

 94.4494, 0.3205,
0.3337

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.



39.8071, 0.4960, 0.3256



39.8071, 0.5080, 0.3945



39.8071, 0.4606, 0.4645

Triad

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



39.8071, 0.5080, 0.3945



39.8071, 0.2045, 0.4025



39.8071, 0.2246, 0.1866

Complementary

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



39.8071, 0.5080, 0.3945



41.3787, 0.2053, 0.2315

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.



39.8071, 0.1694, 0.1860



39.8071, 0.5080, 0.3945



39.8071, 0.1576, 0.2902

Square

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



39.8071, 0.5080, 0.3945



39.8071, 0.2855, 0.4996



39.8071, 0.1473, 0.2173



39.8071, 0.3138, 0.2137

Rectangle

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



39.8071, 0.5080, 0.3945



39.8071, 0.4084, 0.5028



39.8071, 0.1473, 0.2173



39.8071, 0.2023, 0.1833

Sweetspot

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



39.8059, 0.5080, 0.3945



76.8944, 0.3531, 0.3512



28.3006, 0.4065, 0.2234



15.9196, 0.3590, 0.3541



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.



39.8059, 0.5080, 0.3945



33.4525, 0.5532, 0.3897



79.7509, 0.4253, 0.4762



19.1405, 0.3285, 0.3383



16.0151, 0.5736, 0.3827



1.7636, 0.5525, 0.3995

Inverse Universe

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



41.3787, 0.2053, 0.2315



34.7499, 0.1929, 0.2087



15.0182, 0.1745, 0.1114



19.2309, 0.2979, 0.3196



16.5383, 0.1879, 0.1965



1.8224, 0.1926, 0.2132

Previews

White Background



This preview shows how the Yxy color 39.8071, 0.5080, 0.3945 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 39.8071, 0.5080, 0.3945 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 39.8071, 0.5080, 0.3945

Background



This preview shows how black text looks on a background with the Yxy color 39.8071, 0.5080, 0.3945.



This preview shows how white text looks on a background with the Yxy color 39.8071, 0.5080, 0.3945.

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

39.8071, 0.5080, 0.3945

Protanopia

40.0493, 0.4121, 0.4514

Deuteranopia

39.7822, 0.4524, 0.4429



Tritanopia

39.6856, 0.4380, 0.3201

Trichromacy



Original Color

39.8071, 0.5080, 0.3945

Protanomaly

39.0421, 0.4481, 0.4291

Deuteranomaly

39.6027, 0.4733, 0.4240

Tritanomaly

39.5024, 0.4680, 0.3505

Monochromacy



Original Color

39.8071, 0.5080, 0.3945

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.0070, 0.3836, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8071, 0.5080, 0.3945 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, 138, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 64)  
}
```

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, 138, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 64) }
```

Border

The CSS property to change the border of an element to Yxy 39.8071, 0.5080, 0.3945 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, 138, 64) }
```

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

```
.border{ border-color:rgb(255, 138, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
64) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.8071, 0.5080, 0.3945$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 64) }
```

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

```
.background{ background-color: rgb(255,  
138, 64) }
```

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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