

Converting Colors

$Y_{xy}(39.2272, 0.5106, 0.3932)$

Have a look what the booklet for
Yxy(39.2272, 0.5106, 0.3932)
contains.

Yxy(39.2272, 0.5106, 0.3932)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.2272, 0.5106, 0.3932)

Conversions

Conversions Part 1

Format	Color
Hex	FF883F
RGB	255, 136, 63
RGB Percent	100%, 53%, 25%
CMY	0.0000, 0.4666, 0.7527
CMYK	0.00, 0.47, 0.75, 0.00
HSL	23°, 100%, 62%
HSV	23°, 75%, 100%
XYZ	50.9395, 39.2272, 9.5973
YIQ	163.2590, 94.3570, 2.5250

Conversions

Conversions Part 2

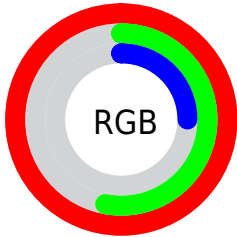
Format	Color
R _Y B	255, 181, 63
Decimal	16746559
CIE Lab	68.92, 40.12, 57.40
CIE LCh	69, 70.033, 55.045
Yxy	39.2272, 0.5106, 0.3932
Android (android.graphics.Color)	4294936639 (0xFFFF883F)
YUV	163.2590, -49.4277, 80.4569
Hunter-Lab	62.6316, 35.5721, 34.7569

Details

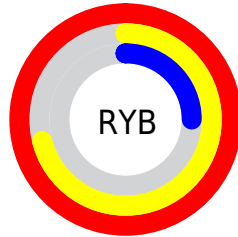
The Yxy color **39.2272, 0.5106, 0.3932** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **41.7462, 0.2054, 0.2328**, and the grayscale version is **36.9640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7594, 0.4279, 0.4061**, and **17.5581, 0.5577, 0.3927** is the 20% darker color. If you saturate the color by 10%, you get **34.8777, 0.5418, 0.3911**, and if you desaturate by 10%, it is **44.3695, 0.4771, 0.3904**.

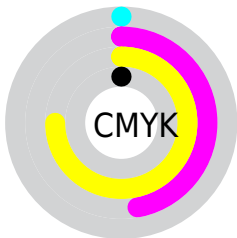
Distribution



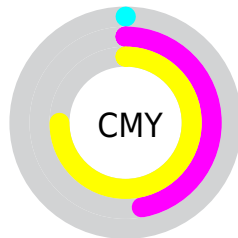
- Red (100%)
- Green (53%)
- Blue (25%)



- Red (100%)
- Yellow (71%)
- Blue (25%)



- Cyan (0%)
- Magenta (47%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2272, 0.5106, 0.3932 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 39.2272, 0.5106, 0.3932 by changing the saturation by 10% instead.


 39.2272, 0.5106,
0.3932


 39.2272, 0.5106,
0.3932


342.8555, 0.4131,
0.3720


 26.9365, 0.5323,
0.3941


 73.9853, 0.4767,
0.3886


 17.5256, 0.5579,
0.3927


 97.2215, 0.4634,
0.3860


 10.6099, 0.5883,
0.3870


 124.8749, 0.4520,
0.3833

 5.8052, 0.6258,
0.3742

 157.3301, 0.4421,
0.3807

 2.7270, 0.6589,
0.3411

 194.9713, 0.4334,
0.3783

 0.9909, 0.7113,
0.2887

238.1830, 0.4258,

 0.0000, 1.0000,

0.3760

0.0000

287.3496, 0.4191,
0.3739

■ 0.0000, 0.0000,
0.0000

■ 39.2272, 0.5106,
0.3932

■ 39.2272, 0.5106,
0.3932

■ 34.8777, 0.5418,
0.3911

■ 44.3695, 0.4771,
0.3904

■ 31.2660, 0.5680,
0.3836

■ 50.3411, 0.4439,
0.3839


■ 29.7935, 0.5786,
0.3788

■ 57.1834, 0.4128,
0.3750

■ 64.9327, 0.3849,
0.3648

■ 73.6229, 0.3604,
0.3543

 83.2862, 0.3393,
0.3439

 93.9530, 0.3212,
0.3340

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



39.2272, 0.4973, 0.3239



39.2272, 0.5106, 0.3932



39.2272, 0.4634, 0.4641

Triad

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



39.2272, 0.5106, 0.3932



39.2272, 0.2046, 0.4060



39.2272, 0.2220, 0.1849

Complementary

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



39.2272, 0.5106, 0.3932



41.7462, 0.2054, 0.2328

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.



39.2272, 0.1671, 0.1849



39.2272, 0.5106, 0.3932



39.2272, 0.1565, 0.2915

Square

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



39.2272, 0.5106, 0.3932



39.2272, 0.2868, 0.5034



39.2272, 0.1456, 0.2170



39.2272, 0.3115, 0.2117

Rectangle

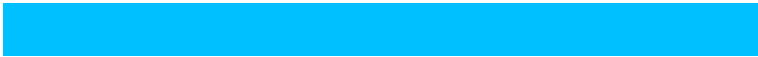
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.2272, 0.5106, 0.3932



39.2272, 0.4109, 0.5037



39.2272, 0.1456, 0.2170



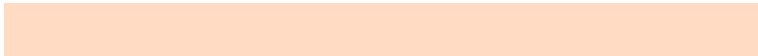
39.2272, 0.1998, 0.1818

Sweetspot

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



39.2293, 0.5106, 0.3932



75.7390, 0.3553, 0.3519



28.3054, 0.4027, 0.2203



15.4985, 0.3635, 0.3557



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.



39.2293, 0.5106, 0.3932



33.0842, 0.5550, 0.3882



77.8758, 0.4280, 0.4743



19.1187, 0.3285, 0.3381



15.8343, 0.5756, 0.3812



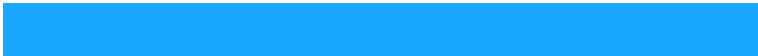
1.7445, 0.5543, 0.3980

Inverse Universe

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



41.7462, 0.2054, 0.2328



35.3506, 0.1936, 0.2111



15.3639, 0.1747, 0.1135



19.2534, 0.2979, 0.3197



16.8598, 0.1886, 0.1991



1.8526, 0.1932, 0.2155

Previews

White Background



This preview shows how the Yxy color 39.2272, 0.5106, 0.3932 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 39.2272, 0.5106, 0.3932 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 39.2272, 0.5106, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 39.2272, 0.5106, 0.3932.



This preview shows how white text looks on a background with the Yxy color 39.2272, 0.5106, 0.3932.

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

39.2272, 0.5106, 0.3932

Protanopia

39.4086, 0.4116, 0.4524

Deuteranopia

39.2760, 0.4530, 0.4431



Tritanopia

39.0893, 0.4413, 0.3201

Trichromacy



Original Color

39.2272, 0.5106, 0.3932

Protanomaly

38.5407, 0.4487, 0.4293

Deuteranomaly

38.7799, 0.4750, 0.4232

Tritanomaly

38.9102, 0.4715, 0.3504

Monochromacy



Original Color

39.2272, 0.5106, 0.3932

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.0505, 0.3834, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2272, 0.5106, 0.3932 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 63) }
```

Border

The CSS property to change the border of an element to Yxy 39.2272, 0.5106, 0.3932 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, 63) }
```

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

```
.border{ border-color:rgb(255, 136, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2272, 0.5106, 0.3932 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, 63) }
```

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

```
.background{ background-color: rgb(255,  
136, 63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor