

# Converting Colors

$Yxy(39.3390, 0.3866, 0.3869)$

Have a look what the booklet for  
Yxy(39.3390, 0.3866, 0.3869)  
contains.

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# Color

**Yxy(39.2621, 0.3864, 0.3871)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4A377
RGB	196, 163, 119
RGB Percent	77%, 64%, 47%
CMY	0.2314, 0.3608, 0.5332
CMYK	0.00, 0.17, 0.39, 0.23
HSL	34°, 39%, 62%
HSV	34°, 39%, 77%
XYZ	39.1911, 39.2621, 22.9730
YIQ	167.8510, 33.7920, -6.6880

# Conversions

## Conversions Part 2

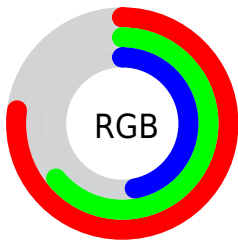
Format	Color
<a href="#">RYB</a>	<a href="#">177, 196, 119</a>
Decimal	<a href="#">12886903</a>
CIELab	<a href="#">68.94, 6.03, 27.38</a>
CIElCh	<a href="#">69, 28.040, 77.586</a>
Yxy	<a href="#">39.2621, 0.3864, 0.3871</a>
Android (android.graphics.Color)	<a href="#">4291076983</a> ( <a href="#">0xFFC4A377</a> )
YUV	<a href="#">167.8510, -24.0835, 24.6867</a>
Hunter-Lab	<a href="#">62.6595, 1.9908, 22.1240</a>

# Details

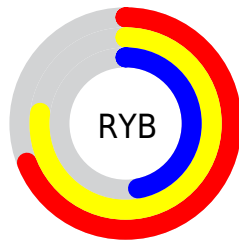
The Yxy color **39.2621, 0.3864, 0.3871** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.3678, 0.2489, 0.2624**, and the grayscale version is **39.1904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1922, 0.3724, 0.3765**, and **17.4738, 0.4088, 0.4019** is the 20% darker color. If you saturate the color by 10%, you get **35.9560, 0.4097, 0.4015**, and if you desaturate by 10%, it is **42.8671, 0.3647, 0.3720**.

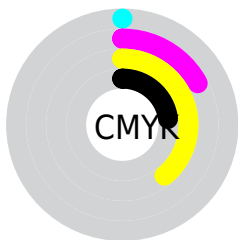
# Distribution



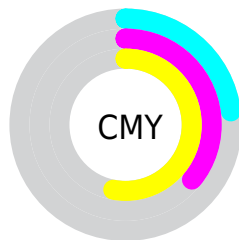
- Red (77%)
- Green (64%)
- Blue (47%)



- Red (69%)
- Yellow (77%)
- Blue (47%)



- Cyan (0%)
- Magenta (17%)
- Yellow (39%)
- Black (23%)




- Cyan (23%)
- Magenta (36%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2621, 0.3864, 0.3871 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 39.2621, 0.3864, 0.3871 by changing the saturation by 10% instead.





 39.2621, 0.3864,  
0.3871


 39.2621, 0.3864,  
0.3871


343.0035, 0.3487,  
0.3582


 26.9637, 0.3959,  
0.3941


 74.0385, 0.3726,  
0.3767

 17.5460, 0.4081,  
0.4028


 97.2854, 0.3674,  
0.3728

 10.6245, 0.4242,  
0.4139


 124.9505, 0.3631,  
0.3694

 5.8149, 0.4460,  
0.4280

157.4182, 0.3593,  
0.3665

 2.7329, 0.4851,  
0.4537

195.0730, 0.3561,  
0.3640

 0.9939, 0.5282,  
0.4718

238.2992, 0.3533,

 0.0000, 1.0000,

0.3619

0.0000

287.4813, 0.3509,  
0.3599

0.0000, 0.0000,  
0.0000

39.2621, 0.3864,  
0.3871

39.2621, 0.3864,  
0.3871

35.9560, 0.4097,  
0.4015

42.8671, 0.3647,  
0.3720

32.9335, 0.4339,  
0.4140

46.7747, 0.3450,  
0.3568

30.1857, 0.4582,  
0.4237

50.9954, 0.3273,  
0.3420

27.7011, 0.4813,  
0.4292

55.5375, 0.3116,  
0.3280

25.4665, 0.5018,  
0.4297

60.4089, 0.2978,  
0.3149

■ 23.4618, 0.5191,  
0.4254

■ 65.6171, 0.2855,  
0.3027

■ 23.3228, 0.5204,  
0.4250

■ 71.0907, 0.2755,  
0.2928

■ 75.6588, 0.2762,  
0.3022

■ 80.4522, 0.2770,  
0.3114

# Harmonies

## Analogous

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



39.2621, 0.3956, 0.3578



39.2621, 0.3864, 0.3871



39.2621, 0.3571, 0.4031

# Triad

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



39.2621, 0.3864, 0.3871



39.2621, 0.2486, 0.3283



39.2621, 0.3039, 0.2711

# Complementary

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



39.2621, 0.3864, 0.3871



30.3678, 0.2489, 0.2624

# 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.



39.2621, 0.2666, 0.2619



39.2621, 0.3864, 0.3871



39.2621, 0.2364, 0.2916

# Square

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



39.2621, 0.3864, 0.3871



39.2621, 0.2775, 0.3687



39.2621, 0.2427, 0.2684



39.2621, 0.3462, 0.2933



# Rectangle

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



39.2621, 0.3864, 0.3871



39.2621, 0.3309, 0.4019



39.2621, 0.2427, 0.2684



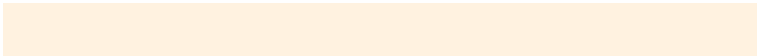
39.2621, 0.2904, 0.2664

# Sweetspot

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



39.2639, 0.3864, 0.3871



90.1004, 0.3323, 0.3463



27.2135, 0.3669, 0.2848



19.0657, 0.3346, 0.3482



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.



39.2639, 0.3864, 0.3871



66.0281, 0.4060, 0.3993



51.8658, 0.3664, 0.4268



11.0119, 0.3275, 0.3422



15.1613, 0.5186, 0.4264



0.7897, 0.4907, 0.4485



# Inverse Universe

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



30.3678, 0.2489, 0.2624



47.7166, 0.2347, 0.2449



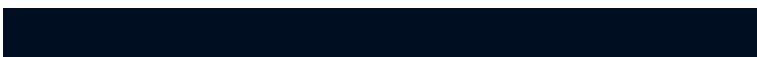
21.4815, 0.2455, 0.2118



10.4419, 0.2984, 0.3155



6.7981, 0.1713, 0.1367



0.4303, 0.1836, 0.1810



# Previews

## White Background



This preview shows how the Yxy color 39.2621, 0.3864, 0.3871 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

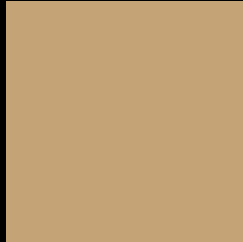
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.2621, 0.3864, 0.3871 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

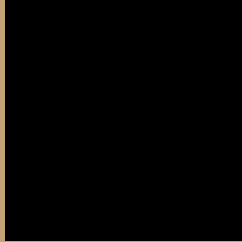
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.2621, 0.3864, 0.3871**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.2621, 0.3864, 0.3871.



This preview shows how white text looks on a background with the Yxy color 39.2621, 0.3864, 0.3871.

# 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

39.2621, 0.3864, 0.3871

### Protanopia

39.2095, 0.3671, 0.3943

### Deuteranopia

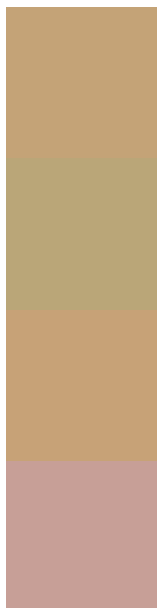
39.1010, 0.3915, 0.3837



## Tritanopia

39.3960, 0.3449, 0.3138

# Trichromacy



## Original Color

39.2621, 0.3864, 0.3871

## Protanomaly

39.0676, 0.3739, 0.3919

## Deuteranomaly

39.3147, 0.3900, 0.3852

## Tritanomaly

39.1728, 0.3601, 0.3396

# Monochromacy



## Original Color

39.2621, 0.3864, 0.3871

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

38.9394, 0.3384, 0.3513

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.2621, 0.3864, 0.3871 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(196, 163, 119)` looks like.

```
.text, #text, p{  
    color:rgb(196, 163, 119)  
}
```

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(196, 163, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 163, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 39.2621, 0.3864, 0.3871 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(196, 163, 119) }
```

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

```
.border{ border-color:rgb(196, 163, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 163, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 163, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 163, 119);  
box-shadow:4px 4px 4px 4px rgb(196, 163,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.2621, 0.3864, 0.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 163, 119) }
```

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

```
.background{ background-color: rgb(196,  
163, 119) }
```

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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