

# Converting Colors

$Yxy(39.4759, 0.3930, 0.3997)$

Have a look what the booklet for  
Yxy(39.4759, 0.3930, 0.3997)  
contains.

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# Color

**Yxy(39.4344, 0.3933, 0.3986)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4A46F
RGB	196, 164, 111
RGB Percent	77%, 64%, 44%
CMY	0.2313, 0.3568, 0.5649
CMYK	0.00, 0.16, 0.43, 0.23
HSL	37°, 42%, 60%
HSV	37°, 43%, 77%
XYZ	38.9101, 39.4344, 20.5878
YIQ	167.5260, 36.0850, -9.6990

# Conversions

## Conversions Part 2

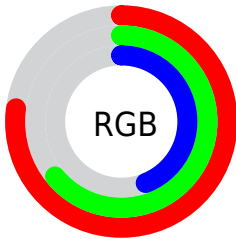
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 196, 111
Decimal	12887151
CIELab	69.06, 4.60, 31.87
CIELCh	69, 32.201, 81.785
Yxy	39.4344, 0.3933, 0.3986
Android (android.graphics.Color)	4291077231 (0xFFC4A46F)
YUV	167.5260, -27.8673, 24.9717
Hunter-Lab	62.7968, 0.7074, 24.5197

# Details

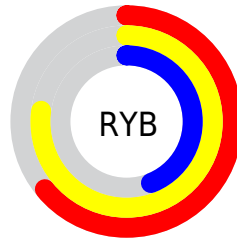
The Yxy color **39.4344, 0.3933, 0.3986** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.9984, 0.2407, 0.2468**, and the grayscale version is **39.0392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3782, 0.3785, 0.3867**, and **17.5116, 0.4161, 0.4169** is the 20% darker color. If you saturate the color by 10%, you get **36.4867, 0.4155, 0.4135**, and if you desaturate by 10%, it is **42.6337, 0.3720, 0.3825**.

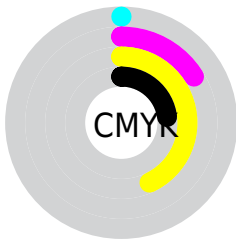
# Distribution



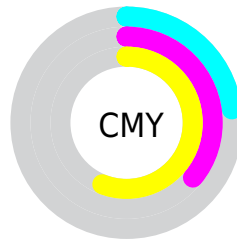
- Red (77%)
- Green (64%)
- Blue (44%)



- Red (64%)
- Yellow (77%)
- Blue (44%)



- Cyan (0%)
- Magenta (16%)
- Yellow (43%)
- Black (23%)



- Cyan (23%)
- Magenta (36%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4344, 0.3933, 0.3986 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 39.4344, 0.3933, 0.3986 by changing the saturation by 10% instead.





 39.4344, 0.3933,  
0.3986


 39.4344, 0.3933,  
0.3986

343.7339, 0.3524,  
0.3640


 27.0978, 0.4034,  
0.4069


 74.3015, 0.3784,  
0.3862

 17.6467, 0.4163,  
0.4171


 97.6008, 0.3728,  
0.3815

 10.6966, 0.4329,  
0.4299


 125.3231, 0.3681,  
0.3775

 5.8632, 0.4546,  
0.4458

 157.8528, 0.3640,  
0.3741

 2.7621, 0.5035,  
0.4842

195.5744, 0.3605,  
0.3711

 1.0088, 0.5186,  
0.4814

238.8721, 0.3575,

 0.0000, 1.0000,

0.3684

0.0000

288.1305, 0.3548,  
0.3661

0.0000, 0.0000,  
0.0000

39.4344, 0.3933,  
0.3986

39.4344, 0.3933,  
0.3986

36.4867, 0.4155,  
0.4135

42.6337, 0.3720,  
0.3825

33.7761, 0.4379,  
0.4261

46.0873, 0.3523,  
0.3660

31.2950, 0.4596,  
0.4352


49.8047, 0.3342,  
0.3497


29.0325, 0.4792,  
0.4398

53.7931, 0.3178,  
0.3341


26.9760, 0.4958,  
0.4393


58.0595, 0.3033,  
0.3194

 25.7166, 0.5055,  
0.4368

 62.6105, 0.2903,  
0.3056

 67.4525, 0.2789,  
0.2930

 71.7415, 0.2756,  
0.2942

 75.7701, 0.2763,  
0.3024

# Harmonies

## Analogous

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



39.4344, 0.4079, 0.3662



39.4344, 0.3933, 0.3986



39.4344, 0.3571, 0.4149

# Triad

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



39.4344, 0.3933, 0.3986



39.4344, 0.2365, 0.3212



39.4344, 0.3091, 0.2662

# Complementary

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



39.4344, 0.3933, 0.3986



26.9984, 0.2407, 0.2468

# 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.



39.4344, 0.2652, 0.2534



39.4344, 0.3933, 0.3986



39.4344, 0.2259, 0.2810

# Square

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



39.4344, 0.3933, 0.3986



39.4344, 0.2667, 0.3686



39.4344, 0.2359, 0.2578



39.4344, 0.3574, 0.2928



# Rectangle

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



39.4344, 0.3933, 0.3986



39.4344, 0.3264, 0.4115



39.4344, 0.2359, 0.2578



39.4344, 0.2933, 0.2602

# Sweetspot

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



39.4363, 0.3933, 0.3986



90.3428, 0.3338, 0.3494



25.0978, 0.3808, 0.2857



19.0045, 0.3377, 0.3530



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.



39.4363, 0.3933, 0.3986



66.3844, 0.4142, 0.4127



51.0820, 0.3678, 0.4381



11.1007, 0.3274, 0.3433



16.6918, 0.5040, 0.4381



0.8503, 0.4804, 0.4568



# Inverse Universe

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



26.9984, 0.2407, 0.2468



41.0071, 0.2246, 0.2249



19.4028, 0.2408, 0.1987



10.3553, 0.2984, 0.3142



5.8409, 0.1670, 0.1213

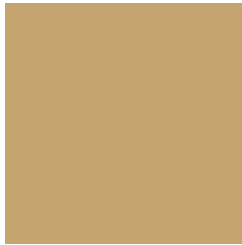


0.3853, 0.1798, 0.1674



# Previews

## White Background



This preview shows how the Yxy color 39.4344, 0.3933, 0.3986 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

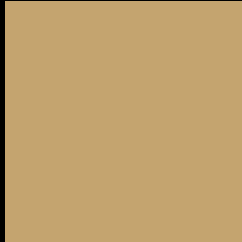
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.4344, 0.3933, 0.3986 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 39.4344, 0.3933, 0.3986**

## Background



This preview shows how black text looks on a background with the Yxy color 39.4344, 0.3933, 0.3986.



This preview shows how white text looks on a background with the Yxy color 39.4344, 0.3933, 0.3986.

# 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

39.4344, 0.3933, 0.3986

### Protanopia

39.6355, 0.3757, 0.4058

### Deuteranopia

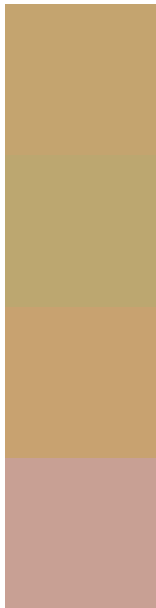
39.3561, 0.4012, 0.3918



## Tritanopia

39.5351, 0.3459, 0.3138

# Trichromacy



## Original Color

39.4344, 0.3933, 0.3986

## Protanomaly

39.4987, 0.3826, 0.4032

## Deuteranomaly

39.2899, 0.3975, 0.3938

## Tritanomaly

39.5591, 0.3637, 0.3447

# Monochromacy



## Original Color

39.4344, 0.3933, 0.3986

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

39.2090, 0.3409, 0.3569

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.4344, 0.3933, 0.3986 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, 164, 111)` looks like.

```
.text, #text, p{  
    color:rgb(196, 164, 111)  
}
```

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, 164, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 164, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4344, 0.3933, 0.3986 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, 164, 111) }
```

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

```
.border{ border-color:rgb(196, 164, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 164, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 164, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 164, 111);  
box-shadow:4px 4px 4px 4px rgb(196, 164,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4344, 0.3933, 0.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 164, 111) }
```

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

```
.background{ background-color: rgb(196,  
164, 111) }
```

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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