

# Converting Colors

$Yxy(39.4765, 0.3835, 0.4045)$

Have a look what the booklet for  
Yxy(39.4765, 0.3835, 0.4045)  
contains.

<b>Yxy(39.4765, 0.3835, 0.4045)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(39.4765, 0.3835, 0.4045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCA76F
RGB	188, 167, 111
RGB Percent	74%, 65%, 44%
CMY	0.2628, 0.3451, 0.5646
CMYK	0.00, 0.11, 0.41, 0.26
HSL	44°, 36%, 59%
HSV	44°, 41%, 74%
XYZ	37.4270, 39.4765, 20.6898
YIQ	166.8950, 30.4920, -12.9640

# Conversions

## Conversions Part 2

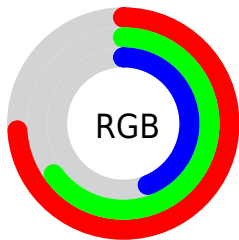
Format	Color
<b>RYB</b>	140, 188, 111
Decimal	12363631
CIELab	69.10, -0.31, 31.73
CIELCh	69, 31.735, 90.555
Yxy	39.4765, 0.3835, 0.4045
Android (android.graphics.Color)	4290553711 (0xFFBCA76F)
YUV	166.8950, -27.5562, 18.5091
Hunter-Lab	62.8303, -3.6234, 24.4573

# Details

The Yxy color **39.4765, 0.3835, 0.4045** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.5155, 0.2431, 0.2393**, and the grayscale version is **38.7166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2994, 0.3705, 0.3911**, and **17.5958, 0.4033, 0.4256** is the 20% darker color. If you saturate the color by 10%, you get **37.2654, 0.4028, 0.4219**, and if you desaturate by 10%, it is **41.8529, 0.3646, 0.3860**.

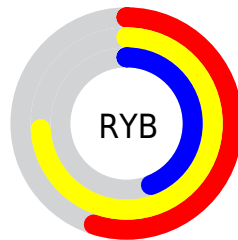
# Distribution



Red (74%)

Green (65%)

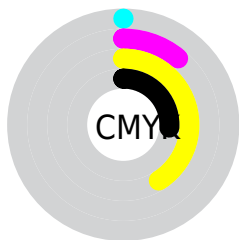
Blue (44%)



Red (55%)

Yellow (74%)

Blue (44%)

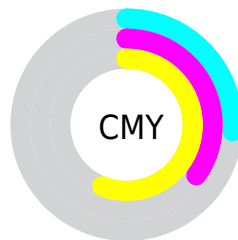


Cyan (0%)

Magenta (11%)

Yellow (41%)

Black (26%)



Cyan (26%)

Magenta (35%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4765, 0.3835, 0.4045 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 39.4765, 0.3835, 0.4045 by changing the saturation by 10% instead.




 39.4765, 0.3835,  
0.4045

 39.4765, 0.3835,  
0.4045


343.9121, 0.3478,  
0.3664


 27.1306, 0.3923,  
0.4139


 74.3657, 0.3706,  
0.3907


 17.6713, 0.4033,  
0.4257


 97.6778, 0.3657,  
0.3855

 10.7143, 0.4174,  
0.4409


 125.4141, 0.3616,  
0.3811

 5.8751, 0.4356,  
0.4605

 157.9589, 0.3580,  
0.3773

 2.7693, 0.4784,  
0.5064

195.6968, 0.3549,  
0.3740

 1.0125, 0.4852,  
0.5148

239.0120, 0.3523,

 0.0000, 0.0000,

0.3711

0.0000

288.2890, 0.3499,  
0.3686

■ 39.4765, 0.3835,  
0.4045

■ 39.4765, 0.3835,  
0.4045

■ 37.2654, 0.4028,  
0.4219

■ 41.8529, 0.3646,  
0.3860

■ 35.2078, 0.4217,  
0.4370

■ 44.3949, 0.3465,  
0.3671

■ 33.2984, 0.4394,  
0.4490

■ 47.1099, 0.3296,  
0.3485

■ 31.5294, 0.4551,  
0.4568

■ 50.0030, 0.3141,  
0.3306

■ 29.8915, 0.4679,  
0.4598

■ 53.0791, 0.3000,  
0.3138

■ 28.5065, 0.4775,  
0.4591

■ 56.3428, 0.2873,  
0.2980

■ 59.7985, 0.2758,  
0.2835

■ 63.0307, 0.2692,  
0.2765

■ 65.5713, 0.2697,  
0.2824

# Harmonies

## Analogous

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



39.4765, 0.4050, 0.3761



39.4765, 0.3835, 0.4045



39.4765, 0.3436, 0.4137

# Triad

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



39.4765, 0.3835, 0.4045



39.4765, 0.2324, 0.3084



39.4765, 0.3233, 0.2735

# Complementary

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



39.4765, 0.3835, 0.4045



23.5155, 0.2431, 0.2393

# 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.



39.4765, 0.2774, 0.2565



39.4765, 0.3835, 0.4045



39.4765, 0.2278, 0.2731

# Square

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



39.4765, 0.3835, 0.4045



39.4765, 0.2569, 0.3546



39.4765, 0.2436, 0.2556



39.4765, 0.3693, 0.3029



# Rectangle

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



39.4765, 0.3835, 0.4045



39.4765, 0.3126, 0.4047



39.4765, 0.2436, 0.2556



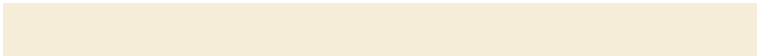
39.4765, 0.3072, 0.2662

# Sweetspot

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



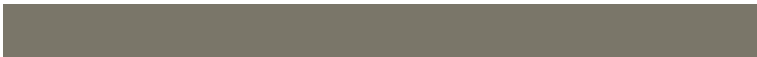
39.4783, 0.3835, 0.4045



84.7513, 0.3317, 0.3508



23.7517, 0.3855, 0.2988



18.0849, 0.3338, 0.3532



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.4783, 0.3835, 0.4045



67.9858, 0.4006, 0.4200



45.8068, 0.3578, 0.4345



10.6685, 0.3271, 0.3456



19.5381, 0.4766, 0.4598



0.8688, 0.4600, 0.4730



# Inverse Universe

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



23.5155, 0.2431, 0.2393



35.2318, 0.2267, 0.2157



19.5683, 0.2532, 0.2097



9.6374, 0.2984, 0.3118



4.2079, 0.1599, 0.0954



0.2780, 0.1737, 0.1451



# Previews

## White Background



This preview shows how the Yxy color 39.4765, 0.3835, 0.4045 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

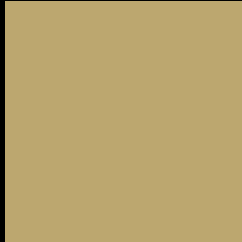
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.4765, 0.3835, 0.4045 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 39.4765, 0.3835, 0.4045**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.4765, 0.3835, 0.4045.



This preview shows how white text looks on a background with the Yxy color 39.4765, 0.3835, 0.4045.

# 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

39.4765, 0.3835, 0.4045

### Protanopia

39.6131, 0.3766, 0.4071

### Deuteranopia

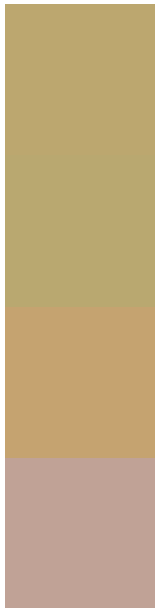
39.2161, 0.4001, 0.3920



## Tritanopia

39.2442, 0.3348, 0.3121

# Trichromacy



## Original Color

39.4765, 0.3835, 0.4045

## Protanomaly

39.4894, 0.3791, 0.4053

## Deuteranomaly

39.2346, 0.3939, 0.3958

## Tritanomaly

39.2491, 0.3532, 0.3451

# Monochromacy



## Original Color

39.4765, 0.3835, 0.4045

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

38.8580, 0.3379, 0.3572

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.4765, 0.3835, 0.4045 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(188, 167, 111)` looks like.

```
.text, #text, p{  
  color:rgb(188, 167, 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(188, 167, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 167, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4765, 0.3835, 0.4045 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(188, 167, 111) }
```

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

```
.border{ border-color:rgb(188, 167, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 167, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 167, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 167, 111);  
box-shadow:4px 4px 4px 4px rgb(188, 167,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4765, 0.3835, 0.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 167, 111) }
```

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

```
.background{ background-color: rgb(188,  
167, 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](#).

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