

# Converting Colors

$Yxy(39.1856, 0.2875, 0.4247)$

Have a look what the booklet for  
Yxy(39.1856, 0.2875, 0.4247)  
contains.

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# Color

**Yxy(39.3290, 0.2874, 0.4250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63BA80
RGB	99, 186, 128
RGB Percent	39%, 73%, 50%
CMY	0.6120, 0.2705, 0.4980
CMYK	0.47, 0.00, 0.31, 0.27
HSL	140°, 39%, 56%
HSV	140°, 47%, 73%
XYZ	26.5957, 39.3290, 26.6142
YIQ	153.3750, -33.2340, -36.4820

# Conversions

## Conversions Part 2

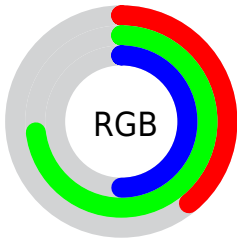
Format	Color
<b>RYB</b>	99, 164, 186
Decimal	6535808
CIELab	68.99, -39.30, 21.48
CIElCh	69, 44.786, 151.335
Yxy	39.3290, 0.2874, 0.4250
Android (android.graphics.Color)	4284725888 (0xFF63BA80)
YUV	153.3750, -12.5099, -47.6869
Hunter-Lab	62.7128, -34.0481, 18.7374

# Details

The Yxy color **39.3290, 0.2874, 0.4250** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **21.7838, 0.3538, 0.2503**, and the grayscale version is **32.0878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3074, 0.2931, 0.4055**, and **17.5448, 0.2773, 0.4597** is the 20% darker color. If you saturate the color by 10%, you get **38.0950, 0.2840, 0.4502**, and if you desaturate by 10%, it is **40.8473, 0.2919, 0.4010**.

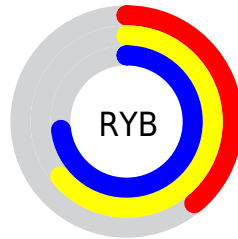
# Distribution



Red (39%)

Green (73%)

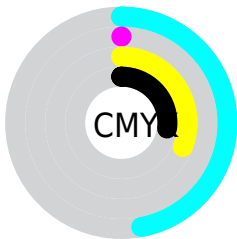
Blue (50%)



Red (39%)

Yellow (64%)

Blue (73%)

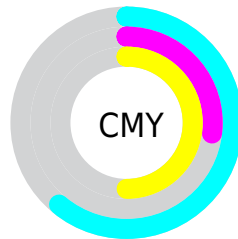


Cyan (47%)

Magenta (0%)

Yellow (31%)

Black (27%)



Cyan (61%)

Magenta (27%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3290, 0.2874, 0.4250 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 39.3290, 0.2874, 0.4250 by changing the saturation by 10% instead.





 39.3290, 0.2874,  
0.4250


 39.3290, 0.2874,  
0.4250


343.2872, 0.3018,  
0.3729


 27.0158, 0.2831,  
0.4395


 74.1406, 0.2931,  
0.4050

 17.5851, 0.2772,  
0.4589


 97.4079, 0.2951,  
0.3978

 10.6525, 0.2684,  
0.4865


 125.0952, 0.2968,  
0.3919

 5.8337, 0.2545,  
0.5282

 157.5870, 0.2981,  
0.3869

 2.7442, 0.2300,  
0.5984

195.2677, 0.2993,  
0.3826

 0.9997, 0.0000,  
1.0000

238.5217, 0.3003,

 0.0000, 0.0000,

0.3789

0.0000

287.7334, 0.3011,  
0.3757

■ 39.3290, 0.2874,  
0.4250

■ 39.3290, 0.2874,  
0.4250

■ 38.0950, 0.2840,  
0.4502

■ 40.8473, 0.2919,  
0.4010

■ 37.1223, 0.2819,  
0.4759

■ 42.6615, 0.2971,  
0.3787

■ 36.3919, 0.2814,  
0.5010

■ 44.7887, 0.3028,  
0.3584


■ 35.8802, 0.2827,  
0.5244

■ 47.2429, 0.3087,  
0.3402

■ 35.5552, 0.2855,  
0.5452


■ 50.0375, 0.3146,  
0.3241

 35.4720, 0.2864,  
0.5512

 53.1850, 0.3204,  
0.3099

 56.6973, 0.3260,  
0.2974

 60.5858, 0.3314,  
0.2866

 62.6458, 0.3275,  
0.2756

# Harmonies

## Analogous

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



39.3290, 0.3516, 0.4505



39.3290, 0.2874, 0.4250



39.3290, 0.2333, 0.3630

# Triad

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



39.3290, 0.2874, 0.4250



39.3290, 0.2188, 0.2282



39.3290, 0.4373, 0.3415

# Complementary

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



39.3290, 0.2874, 0.4250



21.7838, 0.3538, 0.2503

# 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.



39.3290, 0.3940, 0.2933



39.3290, 0.2874, 0.4250



39.3290, 0.2643, 0.2311

# Square

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



39.3290, 0.2874, 0.4250



39.3290, 0.1975, 0.2492



39.3290, 0.3282, 0.2543



39.3290, 0.4415, 0.3915



# Rectangle

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



39.3290, 0.2874, 0.4250



39.3290, 0.2096, 0.3169



39.3290, 0.3282, 0.2543



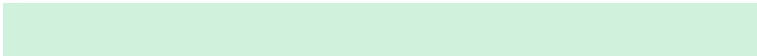
39.3290, 0.4267, 0.3249

# Sweetspot

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



39.3306, 0.2874, 0.4250



82.2610, 0.3043, 0.3535



43.1892, 0.3539, 0.4534



17.9127, 0.3030, 0.3576



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.



39.3306, 0.2874, 0.4250



69.0169, 0.2839, 0.4505



40.7312, 0.2597, 0.3515



10.1083, 0.3072, 0.3446



23.8736, 0.2858, 0.5488



0.8534, 0.2703, 0.4932



# Inverse Universe

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



21.7838, 0.3538, 0.2503



33.3807, 0.3665, 0.2353



20.5540, 0.4166, 0.3089



9.1104, 0.3187, 0.3139



8.0147, 0.4259, 0.2120



0.2935, 0.3926, 0.1936



# Previews

## White Background



This preview shows how the Yxy color 39.3290, 0.2874, 0.4250 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 39.3290, 0.2874, 0.4250 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 39.3290, 0.2874, 0.4250**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.3290, 0.2874, 0.4250.

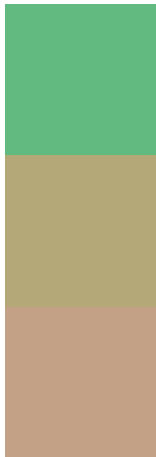


This preview shows how white text looks on a background with the Yxy color 39.3290, 0.2874, 0.4250.

# 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

39.3290, 0.2874, 0.4250

### Protanopia

38.6968, 0.3674, 0.3946

### Deuteranopia

38.8131, 0.3720, 0.3650



## Tritanopia

39.2240, 0.2543, 0.3080

# Trichromacy



## Original Color

39.3290, 0.2874, 0.4250



## Protanomaly

38.2815, 0.3340, 0.4063



## Deuteranomaly

37.8890, 0.3360, 0.3853



## Tritanomaly

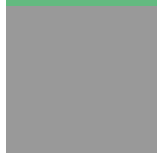
39.1635, 0.2662, 0.3476

# Monochromacy



## Original Color

39.3290, 0.2874, 0.4250



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

33.9104, 0.3011, 0.3626

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.3290, 0.2874, 0.4250 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(99, 186, 128)` looks like.

```
.text, #text, p{  
    color:rgb(99, 186, 128)  
}
```

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(99, 186, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 186, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 39.3290, 0.2874, 0.4250 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(99, 186, 128) }
```

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

```
.border{ border-color:rgb(99, 186, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 186, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 186, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 186, 128);  
box-shadow:4px 4px 4px 4px rgb(99, 186,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.3290, 0.2874, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 186, 128) }
```

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

```
.background{ background-color: rgb(99, 186,  
128) }
```

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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