

# Converting Colors

Yxy(39.6154, 0.3313, 0.4811)

Have a look what the booklet for  
Yxy(39.6154, 0.3313, 0.4811)  
contains.

<b>Yxy(39.6135, 0.3313, 0.4811)</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(39.6135, 0.3313, 0.4811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BB958
RGB	123, 185, 88
RGB Percent	48%, 73%, 35%
CMY	0.5177, 0.2745, 0.6548
CMYK	0.34, 0.00, 0.52, 0.27
HSL	98°, 41%, 54%
HSV	98°, 52%, 73%
XYZ	27.2791, 39.6135, 15.4469
YIQ	155.4040, -5.8150, -43.3110

# Conversions

## Conversions Part 2

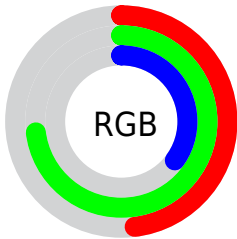
<b>Format</b>	<b>Color</b>
<b>RYB</b>	88, 185, 150
Decimal	8108376
CIELab	69.19, -37.40, 42.58
CIELCh	69, 56.670, 131.297
Yxy	39.6135, 0.3313, 0.4811
Android (android.graphics.Color)	4286298456 (0xFF7BB958)
YUV	155.4040, -33.2302, -28.4183
Hunter-Lab	62.9393, -32.7785, 29.5062

# Details

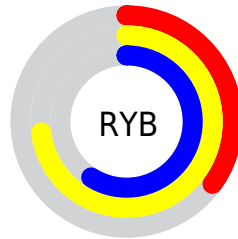
The Yxy color **39.6135, 0.3313, 0.4811** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **16.9752, 0.2769, 0.1893**, and the grayscale version is **33.1204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2690, 0.3304, 0.4499**, and **17.6314, 0.3293, 0.5324** is the 20% darker color. If you saturate the color by 10%, you get **38.5260, 0.3319, 0.5111**, and if you desaturate by 10%, it is **40.8876, 0.3293, 0.4497**.

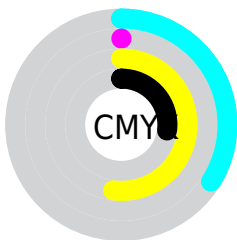
# Distribution



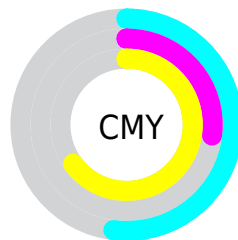
- Red (48%)
- Green (73%)
- Blue (35%)



- Red (35%)
- Yellow (73%)
- Blue (59%)



- Cyan (34%)
- Magenta (0%)
- Yellow (52%)
- Black (27%)




- Cyan (52%)
- Magenta (27%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6135, 0.3313, 0.4811 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 39.6135, 0.3313, 0.4811 by changing the saturation by 10% instead.




 39.6135, 0.3313,  
0.4811


 39.6135, 0.3313,  
0.4811


344.4918, 0.3256,  
0.3990


 27.2373, 0.3310,  
0.5031


 74.5746, 0.3304,  
0.4500

 17.7515, 0.3293,  
0.5318


 97.9283, 0.3297,  
0.4387

 10.7718, 0.3246,  
0.5705


 125.7100, 0.3289,  
0.4293

 5.9136, 0.3147,  
0.6277

 158.3041, 0.3282,  
0.4213

 2.7926, 0.2890,  
0.7110

196.0949, 0.3275,  
0.4145

 1.0244, 0.0504,  
0.9496

239.4669, 0.3268,

 0.0000, 0.0000,

0.4086

0.0000

288.8044, 0.3262,  
0.4035

■ 39.6135, 0.3313,  
0.4811

■ 39.6135, 0.3313,  
0.4811

■ 38.5260, 0.3319,  
0.5111

■ 40.8876, 0.3293,  
0.4497

■ 37.6104, 0.3308,  
0.5379

■ 42.3522, 0.3263,  
0.4184

■ 36.8574, 0.3280,  
0.5599

■ 44.0172, 0.3225,  
0.3884

■ 36.2546, 0.3237,  
0.5757

■ 45.8905, 0.3182,  
0.3604

■ 35.8824, 0.3198,  
0.5842

■ 47.9793, 0.3138,  
0.3348

■ 50.2906, 0.3093,  
0.3117

■ 52.8310, 0.3050,  
0.2911

■ 55.6069, 0.3008,  
0.2729

■ 58.6242, 0.2968,  
0.2567

# Harmonies

## Analogous

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



39.6135, 0.4073, 0.4698



39.6135, 0.3313, 0.4811



39.6135, 0.2545, 0.4302

# Triad

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



39.6135, 0.3313, 0.4811



39.6135, 0.1779, 0.2180



39.6135, 0.4381, 0.3020

# Complementary

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



39.6135, 0.3313, 0.4811



16.9752, 0.2769, 0.1893

# 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.



39.6135, 0.3599, 0.2515



39.6135, 0.3313, 0.4811



39.6135, 0.2125, 0.2045

# Square

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



39.6135, 0.3313, 0.4811



39.6135, 0.1725, 0.2627



39.6135, 0.2759, 0.2170



39.6135, 0.4765, 0.3608



# Rectangle

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



39.6135, 0.3313, 0.4811



39.6135, 0.2135, 0.3714



39.6135, 0.2759, 0.2170



39.6135, 0.4150, 0.2839

# Sweetspot

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



39.6152, 0.3313, 0.4811



80.8508, 0.3199, 0.3709



32.6565, 0.4122, 0.4130



17.2822, 0.3208, 0.3766



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



39.6152, 0.3313, 0.4811



68.7115, 0.3318, 0.5157



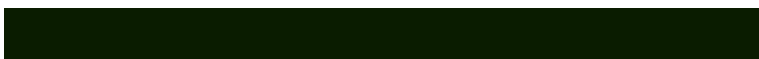
37.7146, 0.2974, 0.4728



10.2135, 0.3169, 0.3522



24.4693, 0.3207, 0.5835



0.8981, 0.3424, 0.5663



# Inverse Universe

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



16.9752, 0.2769, 0.1893



23.7124, 0.2660, 0.1605



20.2806, 0.3343, 0.2190



8.9964, 0.3082, 0.3061



5.0641, 0.2331, 0.1058



0.2121, 0.2563, 0.1185



# Previews

## White Background



This preview shows how the Yxy color 39.6135, 0.3313, 0.4811 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 39.6135, 0.3313, 0.4811 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 39.6135, 0.3313, 0.4811**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.6135, 0.3313, 0.4811.



This preview shows how white text looks on a background with the Yxy color 39.6135, 0.3313, 0.4811.

# 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

39.6135, 0.3313, 0.4811

### Protanopia

39.0689, 0.4037, 0.4404

### Deuteranopia

38.9289, 0.4199, 0.4111



## Tritanopia

39.3919, 0.2732, 0.3087

# Trichromacy



**Original Color**

39.6135, 0.3313, 0.4811

**Protanomaly**

38.7145, 0.3751, 0.4556

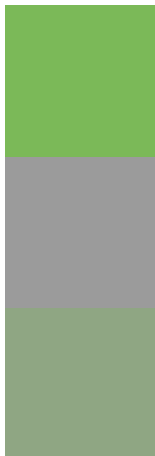
**Deuteranomaly**

38.2626, 0.3850, 0.4358

**Tritanomaly**

39.0943, 0.2950, 0.3690

# Monochromacy



**Original Color**

39.6135, 0.3313, 0.4811

**Achromatopsia**

32.7778, 0.3127, 0.3290

**Achromatomaly**

34.7508, 0.3213, 0.3842

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.6135, 0.3313, 0.4811 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(123, 185, 88)` looks like.

```
.text, #text, p{  
    color:rgb(123, 185, 88)  
}
```

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(123, 185, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 185, 88) }
```

## Border

The CSS property to change the border of an element to Yxy 39.6135, 0.3313, 0.4811 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(123, 185, 88) }
```

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

```
.border{ border-color:rgb(123, 185, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 185, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 185, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 185, 88);  
box-shadow:4px 4px 4px 4px rgb(123, 185,  
88) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.6135, 0.3313, 0.4811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 185, 88) }
```

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

```
.background{ background-color: rgb(123,  
185, 88) }
```

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