

# Converting Colors

Yxy(39.3444, 0.3001, 0.4963)

Have a look what the booklet for  
Yxy(39.3444, 0.3001, 0.4963)  
contains.

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**Color**

**Yxy(39.4212, 0.3001, 0.4956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53BE5B
RGB	83, 190, 91
RGB Percent	33%, 75%, 36%
CMY	0.6744, 0.2549, 0.6431
CMYK	0.56, 0.00, 0.52, 0.25
HSL	124°, 45%, 54%
HSV	124°, 56%, 75%
XYZ	23.8707, 39.4212, 16.2505
YIQ	146.7210, -31.9930, -53.4730

# Conversions

## Conversions Part 2

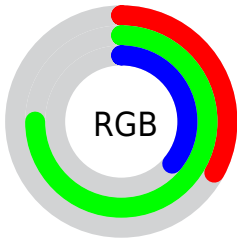
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">83, 183, 190</a>
Decimal	<a href="#">5488219</a>
CIELab	<a href="#">69.06, -51.16, 40.56</a>
CIElCh	<a href="#">69, 65.284, 141.591</a>
Yxy	<a href="#">39.4212, 0.3001, 0.4956</a>
Android (android.graphics.Color)	<a href="#">4283678299 (0xFF53BE5B)</a>
YUV	<a href="#">146.7210, -27.4705, -55.8833</a>
Hunter-Lab	<a href="#">62.7863, -42.0123, 28.6048</a>

# Details

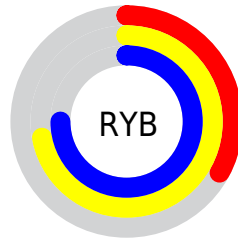
The Yxy color **39.4212, 0.3001, 0.4956** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **20.5148, 0.3285, 0.2056**, and the grayscale version is **29.1850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1674, 0.3055, 0.4604**, and **17.5074, 0.2880, 0.5539** is the 20% darker color. If you saturate the color by 10%, you get **38.4048, 0.2987, 0.5276**, and if you desaturate by 10%, it is **40.7487, 0.3020, 0.4620**.

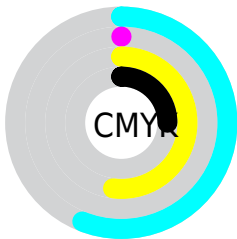
# Distribution



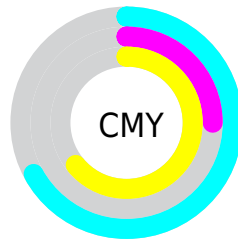
- Red (33%)
- Green (75%)
- Blue (36%)



- Red (33%)
- Yellow (72%)
- Blue (75%)



- Cyan (56%)
- Magenta (0%)
- Yellow (52%)
- Black (25%)



- Cyan (67%)
- Magenta (25%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4212, 0.3001, 0.4956 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 39.4212, 0.3001, 0.4956 by changing the saturation by 10% instead.





 39.4212, 0.3001,  
0.4956


 39.4212, 0.3001,  
0.4956


343.6779, 0.3109,  
0.4038

 27.0876, 0.2955,  
0.5210


 74.2813, 0.3054,  
0.4603


 17.6390, 0.2881,  
0.5547


 97.5766, 0.3069,  
0.4477

 10.6911, 0.2758,  
0.6012


 125.2945, 0.3081,  
0.4372

 5.8595, 0.2543,  
0.6695

 157.8195, 0.3090,  
0.4284

 2.7599, 0.2151,  
0.7849

195.5360, 0.3096,  
0.4209

 1.0077, 0.0000,  
1.0000

238.8282, 0.3102,

 0.0000, 0.0000,

0.4144

0.0000

288.0808, 0.3106,  
0.4088

■ 39.4212, 0.3001,  
0.4956

■ 39.4212, 0.3001,  
0.4956

■ 38.4048, 0.2987,  
0.5276

■ 40.7487, 0.3020,  
0.4620

■ 37.6698, 0.2980,  
0.5556

■ 42.4047, 0.3042,  
0.4288

■ 37.1889, 0.2980,  
0.5774

■ 44.4108, 0.3066,  
0.3975

■ 36.9257, 0.2986,  
0.5918

■ 46.7855, 0.3090,  
0.3690

■ 36.8596, 0.2987,  
0.5953

■ 49.5461, 0.3113,  
0.3435

■ 52.7088, 0.3135,  
0.3211

■ 56.2886, 0.3156,  
0.3016

■ 60.3000, 0.3174,  
0.2849

■ 64.7568, 0.3192,  
0.2704

# Harmonies

## Analogous

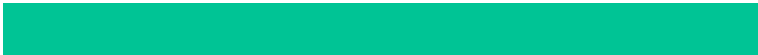
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.4212, 0.3888, 0.5013



39.4212, 0.3001, 0.4956



39.4212, 0.2195, 0.4130

# Triad

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



39.4212, 0.3001, 0.4956



39.4212, 0.1711, 0.1949



39.4212, 0.4791, 0.3183

# Complementary

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



39.4212, 0.3001, 0.4956



20.5148, 0.3285, 0.2056

# 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.



39.4212, 0.4004, 0.2589



39.4212, 0.3001, 0.4956



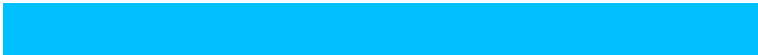
39.4212, 0.2199, 0.1913

# Square

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



39.4212, 0.3001, 0.4956



39.4212, 0.1540, 0.2304



39.4212, 0.3011, 0.2141



39.4212, 0.5003, 0.3842



# Rectangle

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



39.4212, 0.3001, 0.4956



39.4212, 0.1817, 0.3398



39.4212, 0.3011, 0.2141



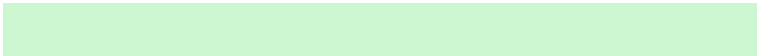
39.4212, 0.4580, 0.2975

# Sweetspot

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



39.4228, 0.3001, 0.4956



84.3335, 0.3087, 0.3716



47.5034, 0.3860, 0.4646



18.3175, 0.3083, 0.3772



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



39.4228, 0.3001, 0.4956



69.1723, 0.2985, 0.5359



40.6700, 0.2690, 0.4054



10.6609, 0.3106, 0.3509



24.5139, 0.2984, 0.5943



0.9642, 0.2926, 0.5732



# Inverse Universe

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



20.5148, 0.3285, 0.2056



31.4376, 0.3324, 0.1858



18.7321, 0.4041, 0.2673



9.6836, 0.3149, 0.3080



9.3636, 0.3404, 0.1649



0.3705, 0.3352, 0.1620



# Previews

## White Background



This preview shows how the Yxy color 39.4212, 0.3001, 0.4956 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 39.4212, 0.3001, 0.4956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

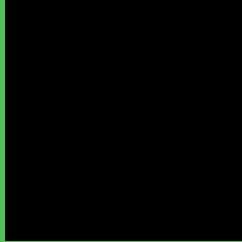
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.4212, 0.3001, 0.4956**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.4212, 0.3001, 0.4956.



This preview shows how white text looks on a background with the Yxy color 39.4212, 0.3001, 0.4956.

# 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

39.4212, 0.3001, 0.4956

### Protanopia

38.9441, 0.4027, 0.4408

### Deuteranopia

38.7390, 0.4136, 0.4061



## Tritanopia

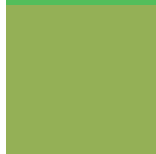
39.2163, 0.2497, 0.3079

# Trichromacy



## Original Color

39.4212, 0.3001, 0.4956



## Protanomaly

38.0185, 0.3586, 0.4635



## Deuteranomaly

37.3413, 0.3646, 0.4395



## Tritanomaly

38.8639, 0.2681, 0.3726

# Monochromacy



## Original Color

39.4212, 0.3001, 0.4956



## Achromatopsia

29.1771, 0.3127, 0.3290



## Achromatomaly

32.0118, 0.3071, 0.3895

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.4212, 0.3001, 0.4956 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(83, 190, 91)` looks like.

```
.text, #text, p{  
    color:rgb(83, 190, 91)  
}
```

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(83, 190, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 190, 91) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4212, 0.3001, 0.4956 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(83, 190, 91) }
```

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

```
.border{ border-color:rgb(83, 190, 91) }
```

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

Here you see how a box with a 4 pixel rgb(83, 190, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 190, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 190, 91);  
box-shadow:4px 4px 4px 4px rgb(83, 190,  
91) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4212, 0.3001, 0.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 190, 91) }
```

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

```
.background{ background-color: rgb(83, 190,  
91) }
```

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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