

# Converting Colors

Yxy(39.7802, 0.3049, 0.4738)

Have a look what the booklet for  
Yxy(39.7802, 0.3049, 0.4738)  
contains.

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**Color**

**Yxy(39.5587, 0.3046, 0.4730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63BC65
RGB	99, 188, 101
RGB Percent	39%, 74%, 40%
CMY	0.6119, 0.2627, 0.6040
CMYK	0.47, 0.00, 0.46, 0.26
HSL	121°, 40%, 56%
HSV	121°, 47%, 74%
XYZ	25.4748, 39.5587, 18.6001
YIQ	151.4710, -25.1170, -45.9250

# Conversions

## Conversions Part 2

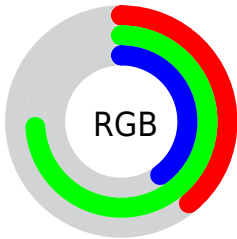
<b>Format</b>	<b>Color</b>
<b>RYB</b>	99, 186, 188
Decimal	6536293
CIELab	69.15, -44.67, 35.84
CIElCh	69, 57.273, 141.254
Yxy	39.5587, 0.3046, 0.4730
Android (android.graphics.Color)	4284726373 (0xFF63BC65)
YUV	151.4710, -24.8822, -46.0171
Hunter-Lab	62.8957, -37.7692, 26.4932

# Details

The Yxy color **39.5587, 0.3046, 0.4730** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **23.1560, 0.3203, 0.2177**, and the grayscale version is **31.2742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5733, 0.3085, 0.4431**, and **17.7695, 0.2961, 0.5230** is the 20% darker color. If you saturate the color by 10%, you get **38.3014, 0.3029, 0.5077**, and if you desaturate by 10%, it is **41.1463, 0.3064, 0.4381**.

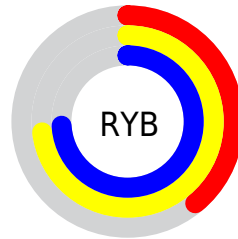
# Distribution



Red (39%)

Green (74%)

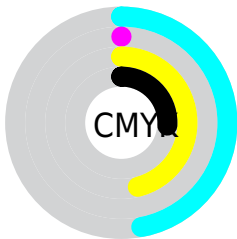
Blue (40%)



Red (39%)

Yellow (73%)

Blue (74%)

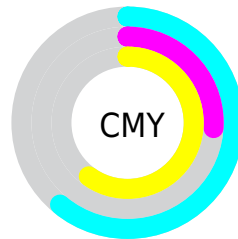


Cyan (47%)

Magenta (0%)

Yellow (46%)

Black (26%)



Cyan (61%)

Magenta (26%)


Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5587, 0.3046, 0.4730 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 39.5587, 0.3046, 0.4730 by changing the saturation by 10% instead.





 39.5587, 0.3046,  
0.4730


 39.5587, 0.3046,  
0.4730

344.2600, 0.3120,  
0.3942


 27.1946, 0.3013,  
0.4948


 74.4910, 0.3083,  
0.4428


 17.7195, 0.2961,  
0.5238


 97.8281, 0.3093,  
0.4319

 10.7488, 0.2872,  
0.5642


 125.5917, 0.3101,  
0.4229

 5.8982, 0.2707,  
0.6227

 158.1660, 0.3107,  
0.4153

 2.7833, 0.2500,  
0.7500

195.9357, 0.3112,  
0.4089

 1.0196, 0.0000,  
1.0000

239.2850, 0.3115,

 0.0000, 0.0000,

0.4033

0.0000

288.5983, 0.3118,  
0.3984

■ 39.5587, 0.3046,  
0.4730

■ 39.5587, 0.3046,  
0.4730

■ 38.3014, 0.3029,  
0.5077

■ 41.1463, 0.3064,  
0.4381

■ 37.3467, 0.3015,  
0.5397

■ 43.0798, 0.3082,  
0.4048

■ 36.6704, 0.3005,  
0.5664


■ 45.3798, 0.3100,  
0.3743

■ 36.2427, 0.2999,  
0.5856

■ 48.0640, 0.3116,  
0.3470

■ 36.0220, 0.2997,  
0.5966

■ 51.1486, 0.3131,  
0.3230

 35.9793, 0.2996,  
0.5986

 54.6493, 0.3144,  
0.3022

 58.5805, 0.3156,  
0.2843

 62.9564, 0.3166,  
0.2689

 64.4500, 0.3158,  
0.2634

# Harmonies

## Analogous

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



39.5587, 0.3839, 0.4810



39.5587, 0.3046, 0.4730



39.5587, 0.2317, 0.4030

# Triad

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



39.5587, 0.3046, 0.4730



39.5587, 0.1850, 0.2092



39.5587, 0.4582, 0.3208

# Complementary

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



39.5587, 0.3046, 0.4730



23.1560, 0.3203, 0.2177

# 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.



39.5587, 0.3891, 0.2663



39.5587, 0.3046, 0.4730



39.5587, 0.2297, 0.2049

# Square

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



39.5587, 0.3046, 0.4730



39.5587, 0.1697, 0.2431



39.5587, 0.3022, 0.2253



39.5587, 0.4791, 0.3811



# Rectangle

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



39.5587, 0.3046, 0.4730



39.5587, 0.1968, 0.3408



39.5587, 0.3022, 0.2253



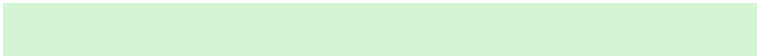
39.5587, 0.4394, 0.3016

# Sweetspot

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



39.5604, 0.3046, 0.4730



83.6815, 0.3105, 0.3654



47.3752, 0.3803, 0.4436



17.7790, 0.3102, 0.3715



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.



39.5604, 0.3046, 0.4730



69.2947, 0.3028, 0.5096



40.6646, 0.2767, 0.3985



10.6530, 0.3113, 0.3522



24.4957, 0.2995, 0.5983



0.9607, 0.2977, 0.5916



# Inverse Universe

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



23.1560, 0.3203, 0.2177



35.9232, 0.3220, 0.1972



21.5641, 0.3769, 0.2702



9.6925, 0.3141, 0.3069



9.6300, 0.3266, 0.1573



0.3784, 0.3251, 0.1565



# Previews

## White Background



This preview shows how the Yxy color 39.5587, 0.3046, 0.4730 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 39.5587, 0.3046, 0.4730 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 39.5587, 0.3046, 0.4730**

## Background



This preview shows how black text looks on a background with the Yxy color 39.5587, 0.3046, 0.4730.



This preview shows how white text looks on a background with the Yxy color 39.5587, 0.3046, 0.4730.

# 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

39.5587, 0.3046, 0.4730

### Protanopia

39.0038, 0.3932, 0.4285

### Deuteranopia

38.7809, 0.4044, 0.3957



## Tritanopia

39.4981, 0.2568, 0.3082

# Trichromacy



## Original Color

39.5587, 0.3046, 0.4730



## Protanomaly

38.2953, 0.3561, 0.4453



## Deuteranomaly

37.7687, 0.3639, 0.4236



## Tritanomaly

39.3386, 0.2743, 0.3652

# Monochromacy



## Original Color

39.5587, 0.3046, 0.4730



## Achromatopsia

30.9469, 0.3127, 0.3290



## Achromatomaly

33.1499, 0.3094, 0.3796

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5587, 0.3046, 0.4730 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, 188, 101)` looks like.

```
.text, #text, p{  
    color:rgb(99, 188, 101)  
}
```

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, 188, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 188, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5587, 0.3046, 0.4730 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, 188, 101) }
```

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

```
.border{ border-color:rgb(99, 188, 101) }
```

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

Here you see how a box with a 4 pixel rgb(99, 188, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 188, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 188, 101);  
box-shadow:4px 4px 4px 4px rgb(99, 188,  
101) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5587, 0.3046, 0.4730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 188, 101) }
```

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

```
.background{ background-color: rgb(99, 188,  
101) }
```

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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