

# Converting Colors

Yxy(39.3444, 0.3366, 0.4508)

Have a look what the booklet for  
Yxy(39.3444, 0.3366, 0.4508)  
contains.

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**Color**

**Yxy(39.4103, 0.3363, 0.4507)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AB566
RGB	138, 181, 102
RGB Percent	54%, 71%, 40%
CMY	0.4587, 0.2902, 0.6000
CMYK	0.24, 0.00, 0.44, 0.29
HSL	93°, 35%, 55%
HSV	93°, 44%, 71%
XYZ	29.4069, 39.4103, 18.6252
YIQ	159.1370, -0.2690, -33.6850

# Conversions

## Conversions Part 2

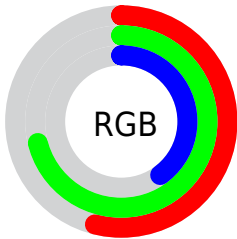
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 181, 145
Decimal	9090406
CIELab	69.05, -28.41, 35.61
CIElCh	69, 45.555, 128.582
Yxy	39.4103, 0.3363, 0.4507
Android (android.graphics.Color)	4287280486 (0xFF8AB566)
YUV	159.1370, -28.1685, -18.5371
Hunter-Lab	62.7776, -26.2462, 26.3538

# Details

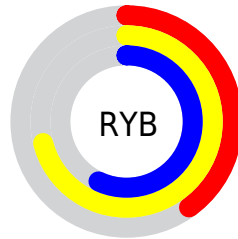
The Yxy color **39.4103, 0.3363, 0.4507** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **18.8537, 0.2762, 0.2103**, and the grayscale version is **34.8715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2389, 0.3336, 0.4262**, and **17.6738, 0.3388, 0.4908** is the 20% darker color. If you saturate the color by 10%, you get **38.2891, 0.3395, 0.4806**, and if you desaturate by 10%, it is **40.6895, 0.3318, 0.4205**.

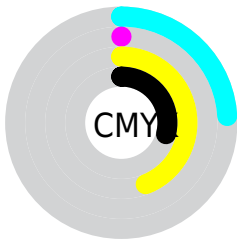
# Distribution



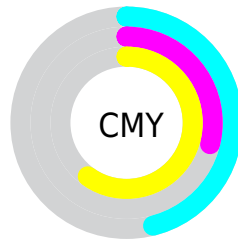
- Red (54%)
- Green (71%)
- Blue (40%)



- Red (40%)
- Yellow (71%)
- Blue (57%)



- Cyan (24%)
- Magenta (0%)
- Yellow (44%)
- Black (29%)




- Cyan (46%)
- Magenta (29%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4103, 0.3363, 0.4507 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 39.4103, 0.3363, 0.4507 by changing the saturation by 10% instead.





 39.4103, 0.3363,  
0.4507


 39.4103, 0.3363,  
0.4507


343.6318, 0.3265,  
0.3855


 27.0791, 0.3377,  
0.4682


 74.2647, 0.3334,  
0.4261


 17.6326, 0.3388,  
0.4912


 97.5567, 0.3321,  
0.4171

 10.6865, 0.3387,  
0.5225


 125.2710, 0.3309,  
0.4096

 5.8565, 0.3352,  
0.5668

 157.7920, 0.3299,  
0.4033

 2.7580, 0.3372,  
0.6628

195.5043, 0.3289,  
0.3979

 1.0067, 0.2043,  
0.7957

238.7920, 0.3280,

 0.0000, 0.0000,

0.3932

0.0000

288.0397, 0.3273,  
0.3891

■ 39.4103, 0.3363,  
0.4507

■ 39.4103, 0.3363,  
0.4507

■ 38.2891, 0.3395,  
0.4806

■ 40.6895, 0.3318,  
0.4205

■ 37.3135, 0.3411,  
0.5088

■ 42.1280, 0.3266,  
0.3912

■ 36.4774, 0.3408,  
0.5337

■ 43.7340, 0.3208,  
0.3635

■ 35.7719, 0.3385,  
0.5539

■ 45.5130, 0.3149,  
0.3378

■ 35.1868, 0.3342,  
0.5684

■ 47.4708, 0.3090,  
0.3144

 34.8660, 0.3309,  
0.5754

 49.6124, 0.3032,  
0.2933

 51.9431, 0.2977,  
0.2745

 54.4674, 0.2925,  
0.2577

 56.5366, 0.2943,  
0.2516

# Harmonies

## Analogous

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



39.4103, 0.3975, 0.4424



39.4103, 0.3363, 0.4507



39.4103, 0.2721, 0.4139

# Triad

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



39.4103, 0.3363, 0.4507



39.4103, 0.1988, 0.2404



39.4103, 0.4090, 0.3040

# Complementary

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



39.4103, 0.3363, 0.4507



18.8537, 0.2762, 0.2103

# 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.



39.4103, 0.3453, 0.2616



39.4103, 0.3363, 0.4507



39.4103, 0.2264, 0.2254

# Square

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



39.4103, 0.3363, 0.4507



39.4103, 0.1969, 0.2816



39.4103, 0.2778, 0.2337



39.4103, 0.4442, 0.3539



# Rectangle

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



39.4103, 0.3363, 0.4507



39.4103, 0.2362, 0.3701



39.4103, 0.2778, 0.2337



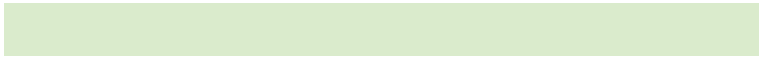
39.4103, 0.3898, 0.2886

# Sweetspot

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



39.4120, 0.3363, 0.4507



78.4599, 0.3206, 0.3623



30.7684, 0.3977, 0.3892



16.8161, 0.3219, 0.3682



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



39.4120, 0.3363, 0.4507



68.7241, 0.3393, 0.4783



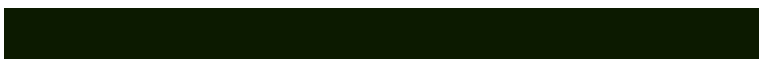
36.8835, 0.3047, 0.4581



9.6736, 0.3183, 0.3521



24.0768, 0.3318, 0.5747



0.7924, 0.3547, 0.5566



# Inverse Universe

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



18.8537, 0.2762, 0.2103



27.2762, 0.2658, 0.1841



22.5540, 0.3207, 0.2269



8.4502, 0.3067, 0.3061



4.1484, 0.2125, 0.0944



0.1647, 0.2423, 0.1108



# Previews

## White Background



This preview shows how the Yxy color 39.4103, 0.3363, 0.4507 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 39.4103, 0.3363, 0.4507 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

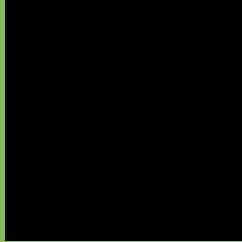
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.4103, 0.3363, 0.4507**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.4103, 0.3363, 0.4507.



This preview shows how white text looks on a background with the Yxy color 39.4103, 0.3363, 0.4507.

# 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

39.4103, 0.3363, 0.4507

### Protanopia

39.0587, 0.3908, 0.4248

### Deuteranopia

39.2478, 0.4057, 0.3978



## Tritanopia

39.1126, 0.2836, 0.3090

# Trichromacy



**Original Color**

39.4103, 0.3363, 0.4507

**Protanomaly**

39.0035, 0.3693, 0.4347

**Deuteranomaly**

38.6089, 0.3790, 0.4164

**Tritanomaly**

39.1375, 0.3035, 0.3589

# Monochromacy



**Original Color**

39.4103, 0.3363, 0.4507

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

36.0517, 0.3227, 0.3733

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.4103, 0.3363, 0.4507 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(138, 181, 102)` looks like.

```
.text, #text, p{  
    color:rgb(138, 181, 102)  
}
```

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(138, 181, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 181, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4103, 0.3363, 0.4507 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(138, 181, 102) }
```

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

```
.border{ border-color:rgb(138, 181, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 181, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 181, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 181, 102);  
box-shadow:4px 4px 4px 4px rgb(138, 181,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4103, 0.3363, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 181, 102) }
```

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

```
.background{ background-color: rgb(138,  
181, 102) }
```

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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