

# Converting Colors

$Yxy(39.1195, 0.3506, 0.4899)$

Have a look what the booklet for  
Yxy(39.1195, 0.3506, 0.4899)  
contains.

<b>Yxy(39.1148, 0.3506, 0.4899)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(39.1148, 0.3506, 0.4899)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87B64B
RGB	135, 182, 75
RGB Percent	53%, 71%, 29%
CMY	0.4705, 0.2863, 0.7058
CMYK	0.26, 0.00, 0.59, 0.29
HSL	86°, 42%, 50%
HSV	86°, 59%, 71%
XYZ	27.9928, 39.1148, 12.7349
YIQ	155.7490, 6.3350, -43.2410

# Conversions

## Conversions Part 2

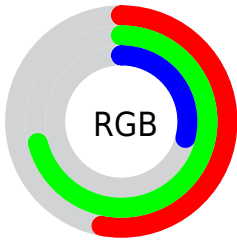
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 182, 122
Decimal	8894027
CIELab	68.83, -33.00, 48.46
CIElCh	69, 58.628, 124.256
Yxy	39.1148, 0.3506, 0.4899
Android (android.graphics.Color)	4287084107 (0xFF87B64B)
YUV	155.7490, -39.8093, -18.1969
Hunter-Lab	62.5418, -29.5544, 31.7066

# Details

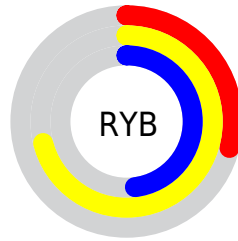
The Yxy color **39.1148, 0.3506, 0.4899** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **12.5504, 0.2459, 0.1625**, and the grayscale version is **33.3102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7577, 0.3471, 0.4581**, and **17.5004, 0.3519, 0.5416** is the 20% darker color. If you saturate the color by 10%, you get **38.2634, 0.3527, 0.5148**, and if you desaturate by 10%, it is **40.0907, 0.3465, 0.4624**.

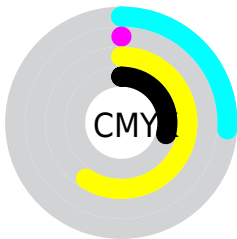
# Distribution



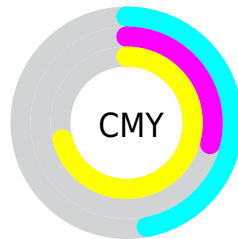
- Red (53%)
- Green (71%)
- Blue (29%)



- Red (29%)
- Yellow (71%)
- Blue (48%)



- Cyan (26%)
- Magenta (0%)
- Yellow (59%)
- Black (29%)




- Cyan (47%)
- Magenta (29%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1148, 0.3506, 0.4899 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 39.1148, 0.3506, 0.4899 by changing the saturation by 10% instead.





 39.1148, 0.3506,  
0.4899


 39.1148, 0.3506,  
0.4899


342.3783, 0.3358,  
0.4041


 26.8490, 0.3521,  
0.5121


 73.8137, 0.3466,  
0.4579

 17.4599, 0.3524,  
0.5406


 97.0156, 0.3447,  
0.4461


 10.5629, 0.3496,  
0.5776


 124.6316, 0.3429,  
0.4362

 5.7738, 0.3480,  
0.6422

 157.0463, 0.3412,  
0.4278

 2.7080, 0.3110,  
0.6890

 194.6438, 0.3397,  
0.4206

 0.9813, 0.1122,  
0.8878

237.8088, 0.3383,

 0.0000, 0.0000,

0.4144

0.0000

286.9255, 0.3370,  
0.4089

■ 39.1148, 0.3506,  
0.4899

■ 39.1148, 0.3506,  
0.4899

■ 38.2634, 0.3527,  
0.5148

■ 40.0907, 0.3465,  
0.4624

■ 37.5241, 0.3526,  
0.5357

■ 41.1925, 0.3409,  
0.4337

■ 36.8899, 0.3502,  
0.5516

■ 42.4279, 0.3343,  
0.4049

■ 36.3470, 0.3459,  
0.5627

■ 43.8026, 0.3270,  
0.3770

■ 36.2847, 0.3453,  
0.5640

■ 45.3216, 0.3194,  
0.3506

■ 46.9899, 0.3118,  
0.3261

■ 48.8121, 0.3044,  
0.3037

■ 50.7927, 0.2973,  
0.2834

■ 52.9357, 0.2906,  
0.2652

# Harmonies

## Analogous

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



39.1148, 0.4260, 0.4646



39.1148, 0.3506, 0.4899



39.1148, 0.2695, 0.4528

# Triad

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



39.1148, 0.3506, 0.4899



39.1148, 0.1697, 0.2217



39.1148, 0.4265, 0.2875

# Complementary

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



39.1148, 0.3506, 0.4899



12.5504, 0.2459, 0.1625

# 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.



39.1148, 0.3403, 0.2388



39.1148, 0.3506, 0.4899



39.1148, 0.1981, 0.2012

# Square

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



39.1148, 0.3506, 0.4899



39.1148, 0.1712, 0.2759



39.1148, 0.2566, 0.2083



39.1148, 0.4783, 0.3465



# Rectangle

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



39.1148, 0.3506, 0.4899



39.1148, 0.2233, 0.3957



39.1148, 0.2566, 0.2083



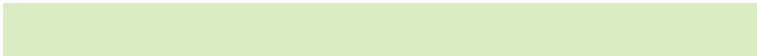
39.1148, 0.3997, 0.2698

# Sweetspot

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



39.1165, 0.3506, 0.4899



79.5390, 0.3266, 0.3757



24.2205, 0.4459, 0.3935



17.4010, 0.3288, 0.3837



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.



39.1165, 0.3506, 0.4899



68.8907, 0.3529, 0.5224



35.7647, 0.3084, 0.5132



10.3018, 0.3198, 0.3520



25.6640, 0.3461, 0.5634



0.9407, 0.3648, 0.5486



# Inverse Universe

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



12.5504, 0.2459, 0.1625



16.1659, 0.2265, 0.1276



17.5114, 0.3101, 0.1898



8.9072, 0.3051, 0.3058



3.6252, 0.1924, 0.0833



0.1646, 0.2227, 0.1000



# Previews

## White Background



This preview shows how the Yxy color 39.1148, 0.3506, 0.4899 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 39.1148, 0.3506, 0.4899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

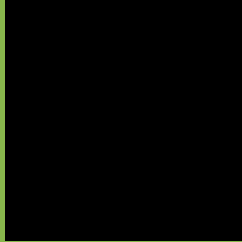
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.1148, 0.3506, 0.4899**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.1148, 0.3506, 0.4899.



This preview shows how white text looks on a background with the Yxy color 39.1148, 0.3506, 0.4899.

# 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

39.1148, 0.3506, 0.4899

### Protanopia

38.8993, 0.4120, 0.4529

### Deuteranopia

38.5122, 0.4323, 0.4232



## Tritanopia

39.0705, 0.2844, 0.3104

# Trichromacy



## Original Color

39.1148, 0.3506, 0.4899

## Protanomaly

38.5705, 0.3884, 0.4675

## Deuteranomaly

37.9052, 0.4012, 0.4466

## Tritanomaly

38.6933, 0.3114, 0.3760

# Monochromacy



## Original Color

39.1148, 0.3506, 0.4899

## Achromatopsia

33.2452, 0.3127, 0.3290

## Achromatomaly

34.7385, 0.3297, 0.3883

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.1148, 0.3506, 0.4899 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(135, 182, 75)` looks like.

```
.text, #text, p{  
    color:rgb(135, 182, 75)  
}
```

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(135, 182, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 182, 75) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1148, 0.3506, 0.4899 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(135, 182, 75) }
```

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

```
.border{ border-color:rgb(135, 182, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 182, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 182, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 182, 75);  
box-shadow:4px 4px 4px 4px rgb(135, 182,  
75) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1148, 0.3506, 0.4899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 182, 75) }
```

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

```
.background{ background-color: rgb(135,  
182, 75) }
```

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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