

# Converting Colors

$Yxy(39.5141, 0.3010, 0.4050)$

Have a look what the booklet for  
Yxy(39.5141, 0.3010, 0.4050)  
contains.

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**Color**

**Yxy(39.4622, 0.3012, 0.4050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CB686
RGB	124, 182, 134
RGB Percent	49%, 71%, 53%
CMY	0.5136, 0.2863, 0.4745
CMYK	0.32, 0.00, 0.26, 0.29
HSL	130°, 28%, 60%
HSV	130°, 32%, 71%
XYZ	29.3482, 39.4622, 28.6271
YIQ	159.1860, -19.1600, -27.2240

# Conversions

## Conversions Part 2

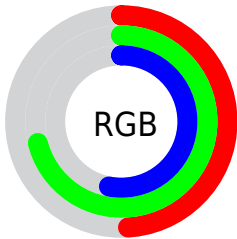
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 173, 182
Decimal	8173190
CIELab	69.08, -28.80, 18.57
CIElCh	69, 34.266, 147.179
Yxy	39.4622, 0.3012, 0.4050
Android (android.graphics.Color)	4286363270 (0xFF7CB686)
YUV	159.1860, -12.4167, -30.8581
Hunter-Lab	62.8189, -26.5403, 16.9543

# Details

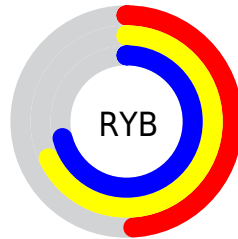
The Yxy color **39.4622, 0.3012, 0.4050** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **27.3505, 0.3270, 0.2634**, and the grayscale version is **34.8300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2019, 0.3041, 0.3897**, and **17.7571, 0.2966, 0.4318** is the 20% darker color. If you saturate the color by 10%, you get **37.8391, 0.2980, 0.4340**, and if you desaturate by 10%, it is **41.3988, 0.3047, 0.3782**.

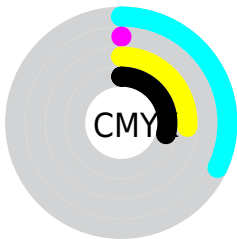
# Distribution



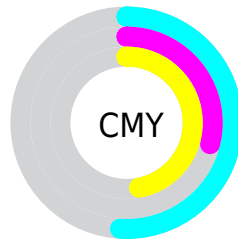
- Red (49%)
- Green (71%)
- Blue (53%)



- Red (49%)
- Yellow (68%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (26%)
- Black (29%)




- Cyan (51%)
- Magenta (29%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4622, 0.3012, 0.4050 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 39.4622, 0.3012, 0.4050 by changing the saturation by 10% instead.





 39.4622, 0.3012,  
0.4050


 39.4622, 0.3012,  
0.4050


343.8516, 0.3080,  
0.3642

 27.1195, 0.2991,  
0.4162


 74.3439, 0.3040,  
0.3895

 17.6630, 0.2961,  
0.4311


 97.6516, 0.3049,  
0.3839

 10.7083, 0.2916,  
0.4521

 125.3832, 0.3057,  
0.3792

 5.8710, 0.2841,  
0.4837

157.9229, 0.3063,  
0.3753

 2.7668, 0.2702,  
0.5357

195.6552, 0.3069,  
0.3719

 1.0112, 0.2001,  
0.7999


238.9645, 0.3073,


 0.0000, 0.0000,


0.3690


0.0000

288.2352, 0.3077,  
0.3664


 39.4622, 0.3012,  
0.4050


 39.4622, 0.3012,  
0.4050

 37.8391, 0.2980,  
0.4340


 41.3988, 0.3047,  
0.3782


 36.5083, 0.2953,  
0.4645

 43.6591, 0.3084,  
0.3541

 35.4535, 0.2934,  
0.4951


 46.2587, 0.3121,  
0.3327

 34.6550, 0.2925,  
0.5244


 49.2110, 0.3156,  
0.3139

 34.0904, 0.2928,  
0.5504

 52.5286, 0.3189,  
0.2975

 33.7331, 0.2942,  
0.5714

 56.2234, 0.3221,  
0.2833

 33.5545, 0.2956,  
0.5843

 60.3067, 0.3250,  
0.2710

 61.9063, 0.3164,  
0.2579

 61.9340, 0.3161,  
0.2575

# Harmonies

## Analogous

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



39.4622, 0.3511, 0.4210



39.4622, 0.3012, 0.4050



39.4622, 0.2567, 0.3623

# Triad

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



39.4622, 0.3012, 0.4050



39.4622, 0.2355, 0.2513



39.4622, 0.4047, 0.3351

# Complementary

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



39.4622, 0.3012, 0.4050



27.3505, 0.3270, 0.2634

# 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.



39.4622, 0.3687, 0.2968



39.4622, 0.3012, 0.4050



39.4622, 0.2696, 0.2503

# Square

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



39.4622, 0.3012, 0.4050



39.4622, 0.2212, 0.2719



39.4622, 0.3180, 0.2667



39.4622, 0.4132, 0.3749



# Rectangle

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



39.4622, 0.3012, 0.4050



39.4622, 0.2356, 0.3281



39.4622, 0.3180, 0.2667



39.4622, 0.3954, 0.3218

# Sweetspot

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



39.4639, 0.3012, 0.4050



79.9030, 0.3090, 0.3503



43.7192, 0.3510, 0.4097



17.5100, 0.3085, 0.3535



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.



39.4639, 0.3012, 0.4050



69.4889, 0.2990, 0.4245



40.3752, 0.2808, 0.3585



10.0847, 0.3093, 0.3485



23.7042, 0.2952, 0.5827



0.8435, 0.2831, 0.5392



# Inverse Universe

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



27.3505, 0.3270, 0.2634



44.1634, 0.3308, 0.2495



26.3649, 0.3602, 0.3016



9.1355, 0.3163, 0.3103



8.6028, 0.3691, 0.1807



0.3104, 0.3547, 0.1728



# Previews

## White Background



This preview shows how the Yxy color 39.4622, 0.3012, 0.4050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

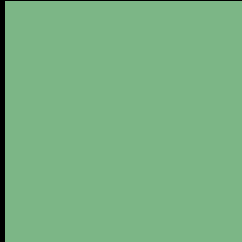
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.4622, 0.3012, 0.4050 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

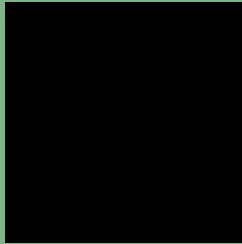
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.4622, 0.3012, 0.4050**

## Background



This preview shows how black text looks on a background with the Yxy color 39.4622, 0.3012, 0.4050.



This preview shows how white text looks on a background with the Yxy color 39.4622, 0.3012, 0.4050.

# 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

39.4622, 0.3012, 0.4050

### Protanopia

39.2409, 0.3607, 0.3862

### Deuteranopia

38.7941, 0.3671, 0.3598



## Tritanopia

39.4850, 0.2697, 0.3086

# Trichromacy



**Original Color**

39.4622, 0.3012, 0.4050

**Protanomaly**

38.9724, 0.3370, 0.3924

**Deuteranomaly**

38.6171, 0.3406, 0.3751

**Tritanomaly**

39.5307, 0.2811, 0.3425

# Monochromacy



**Original Color**

39.4622, 0.3012, 0.4050

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

35.9504, 0.3078, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  39.4622, 0.3012, 0.4050 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(124, 182, 134)` looks like.

```
.text, #text, p{  
    color:rgb(124, 182, 134)  
}
```

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(124, 182, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 182, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4622, 0.3012, 0.4050 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(124, 182, 134) }
```

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

```
.border{ border-color:rgb(124, 182, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 182, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 182, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 182, 134);  
box-shadow:4px 4px 4px 4px rgb(124, 182,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4622, 0.3012, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 182, 134) }
```

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

```
.background{ background-color: rgb(124,  
182, 134) }
```

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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