

# Converting Colors

Yxy(52.0140, 0.3304, 0.4343)

Have a look what the booklet for  
Yxy(52.0140, 0.3304, 0.4343)  
contains.

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# Color

**Yxy(51.9871, 0.3306, 0.4349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9ECC7F
RGB	158, 204, 127
RGB Percent	62%, 80%, 50%
CMY	0.3805, 0.2000, 0.5019
CMYK	0.23, 0.00, 0.38, 0.20
HSL	96°, 43%, 65%
HSV	96°, 38%, 80%
XYZ	39.5193, 51.9871, 28.0317
YIQ	181.4680, -2.6990, -33.6990

# Conversions

## Conversions Part 2

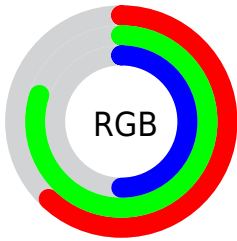
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 204, 173</a>
Decimal	<a href="#">10407039</a>
CIELab	<a href="#">77.27, -28.85, 33.58</a>
CIELCh	<a href="#">77, 44.276, 130.665</a>
Yxy	<a href="#">51.9871, 0.3306, 0.4349</a>
Android (android.graphics.Color)	<a href="#">4288597119 (0xFF9ECC7F)</a>
YUV	<a href="#">181.4680, -26.8527, -20.5814</a>
Hunter-Lab	<a href="#">72.1021, -28.3425, 27.4208</a>

# Details

The Yxy color **51.9871, 0.3306, 0.4349** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.4308, 0.2861, 0.2276**, and the grayscale version is **46.6223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1523, 0.3293, 0.4087**, and **25.3518, 0.3323, 0.4661** is the 20% darker color. If you saturate the color by 10%, you get **50.3341, 0.3337, 0.4661**, and if you desaturate by 10%, it is **53.8751, 0.3265, 0.4043**.

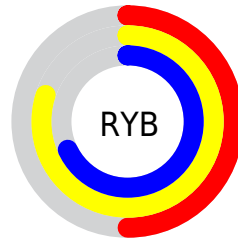
# Distribution



Red (62%)

Green (80%)

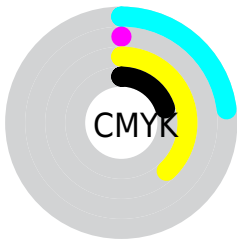
Blue (50%)



Red (50%)

Yellow (80%)

Blue (68%)

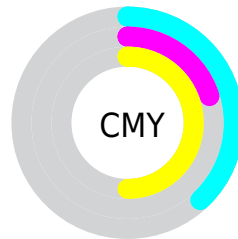


Cyan (23%)

Magenta (0%)

Yellow (38%)

Black (20%)



Cyan (38%)

Magenta (20%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9871, 0.3306, 0.4349 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 51.9871, 0.3306, 0.4349 by changing the saturation by 10% instead.





 51.9871, 0.3306,  
0.4349


 51.9871, 0.3306,  
0.4349

394.3868, 0.3236,  
0.3806

 36.9948, 0.3317,  
0.4487


 93.1122, 0.3285,  
0.4150

 25.2035, 0.3326,  
0.4664


 120.0138, 0.3276,  
0.4075

 16.2287, 0.3330,  
0.4900


 151.6540, 0.3268,  
0.4013

 9.6861, 0.3321,  
0.5227

188.4171, 0.3260,  
0.3959

 5.1914, 0.3271,  
0.5698

230.6875, 0.3253,  
0.3913

 2.3600, 0.3264,  
0.6736

278.8497, 0.3247,

 0.8052, 0.0704,

0.3873

0.9296

333.2880, 0.3241,  
0.3837

0.0000, 0.0000,  
0.0000

51.9871, 0.3306,  
0.4349

51.9871, 0.3306,  
0.4349

50.3341, 0.3337,  
0.4661

53.8751, 0.3265,  
0.4043

48.8993, 0.3355,  
0.4965

56.0007, 0.3218,  
0.3752

47.6739, 0.3356,  
0.5245


58.3751, 0.3167,  
0.3482

46.6458, 0.3339,  
0.5483

61.0066, 0.3116,  
0.3237


45.8012, 0.3302,  
0.5665

63.9031, 0.3065,  
0.3016

 45.1220, 0.3251,  
0.5787

 67.0722, 0.3016,  
0.2819

 44.9861, 0.3239,  
0.5810

 69.5299, 0.3066,  
0.2778

 71.6713, 0.3151,  
0.2792

# Harmonies

## Analogous

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



51.9871, 0.3858, 0.4318



51.9871, 0.3306, 0.4349



51.9871, 0.2734, 0.3998

# Triad

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



51.9871, 0.3306, 0.4349



51.9871, 0.2111, 0.2483



51.9871, 0.4012, 0.3101

# Complementary

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



51.9871, 0.3306, 0.4349



28.4308, 0.2861, 0.2276

# 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.



51.9871, 0.3462, 0.2708



51.9871, 0.3306, 0.4349



51.9871, 0.2380, 0.2357

# Square

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



51.9871, 0.3306, 0.4349



51.9871, 0.2080, 0.2843



51.9871, 0.2859, 0.2443



51.9871, 0.4302, 0.3558



# Rectangle

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



51.9871, 0.3306, 0.4349



51.9871, 0.2419, 0.3611



51.9871, 0.2859, 0.2443



51.9871, 0.3849, 0.2960

# Sweetspot

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



51.9894, 0.3306, 0.4349



95.2798, 0.3184, 0.3571



43.8484, 0.3828, 0.3861



20.2771, 0.3191, 0.3608



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

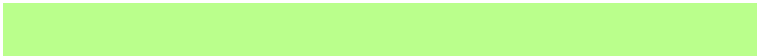


# Same Dimension

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



51.9894, 0.3306, 0.4349



83.9081, 0.3332, 0.4594



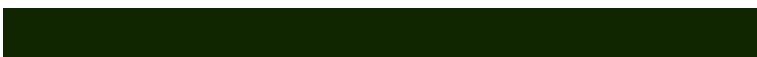
49.4090, 0.3034, 0.4331



12.7534, 0.3175, 0.3525



28.3622, 0.3249, 0.5802



1.5070, 0.3407, 0.5677



# Inverse Universe

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



28.4308, 0.2861, 0.2276



39.5851, 0.2787, 0.2054



32.0779, 0.3234, 0.2433



11.1701, 0.3075, 0.3057



5.4030, 0.2234, 0.1005



0.3222, 0.2423, 0.1109



# Previews

## White Background



This preview shows how the Yxy color 51.9871, 0.3306, 0.4349 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 51.9871, 0.3306, 0.4349 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

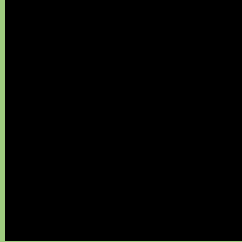
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.9871, 0.3306, 0.4349**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.9871, 0.3306, 0.4349.



This preview shows how white text looks on a background with the Yxy color 51.9871, 0.3306, 0.4349.

# 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

51.9871, 0.3306, 0.4349

### Protanopia

51.4975, 0.3813, 0.4120

### Deuteranopia

51.4527, 0.3952, 0.3868



## Tritanopia

51.8449, 0.2846, 0.3100

# Trichromacy



**Original Color**

51.9871, 0.3306, 0.4349

**Protanomaly**

51.3043, 0.3615, 0.4202

**Deuteranomaly**

50.9952, 0.3706, 0.4038

**Tritanomaly**

51.7498, 0.3015, 0.3542

# Monochromacy



**Original Color**

51.9871, 0.3306, 0.4349

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

47.8526, 0.3209, 0.3668

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.9871, 0.3306, 0.4349 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(158, 204, 127)` looks like.

```
.text, #text, p{  
    color:rgb(158, 204, 127)  
}
```

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(158, 204, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 204, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 51.9871, 0.3306, 0.4349 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(158, 204, 127) }
```

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

```
.border{ border-color:rgb(158, 204, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 204, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 204, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 204, 127);  
box-shadow:4px 4px 4px 4px rgb(158, 204,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.9871, 0.3306, 0.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 204, 127) }
```

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

```
.background{ background-color: rgb(158,  
204, 127) }
```

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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