

# Converting Colors

Yxy(51.4111, 0.3485, 0.4371)

Have a look what the booklet for  
Yxy(51.4111, 0.3485, 0.4371)  
contains.

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# Color

**Yxy(51.4111, 0.3485, 0.4371)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACC877
RGB	172, 200, 119
RGB Percent	67%, 78%, 47%
CMY	0.3257, 0.2156, 0.5333
CMYK	0.14, 0.00, 0.41, 0.22
HSL	81°, 42%, 63%
HSV	81°, 41%, 78%
XYZ	40.9901, 51.4111, 25.2174
YIQ	182.3940, 9.3130, -31.1270

# Conversions

## Conversions Part 2

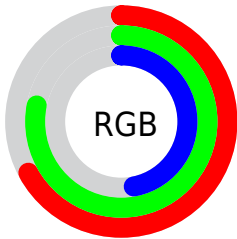
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 200, 147
Decimal	11323511
CIELab	76.93, -22.79, 37.40
CIELCh	77, 43.793, 121.356
Yxy	51.4111, 0.3485, 0.4371
Android (android.graphics.Color)	4289513591 (0xFFACC877)
YUV	182.3940, -31.2532, -9.1155
Hunter-Lab	71.7015, -23.4334, 29.3388

# Details

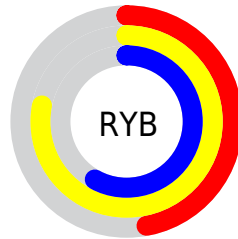
The Yxy color **51.4111, 0.3485, 0.4371** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.5758, 0.2635, 0.2137**, and the grayscale version is **47.1724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9925, 0.3437, 0.4158**, and **24.8390, 0.3545, 0.4678** is the 20% darker color. If you saturate the color by 10%, you get **50.2189, 0.3554, 0.4645**, and if you desaturate by 10%, it is **52.7499, 0.3404, 0.4091**.

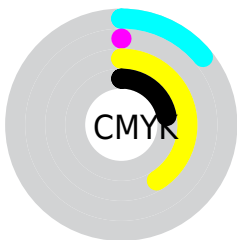
# Distribution



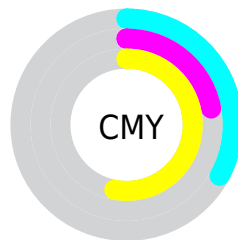
- Red (67%)
- Green (78%)
- Blue (47%)



- Red (47%)
- Yellow (78%)
- Blue (58%)



- Cyan (14%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)




- Cyan (33%)
- Magenta (22%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4111, 0.3485, 0.4371 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 51.4111, 0.3485, 0.4371 by changing the saturation by 10% instead.





 51.4111, 0.3485,  
0.4371


 51.4111, 0.3485,  
0.4371


392.1589, 0.3327,  
0.3823

 36.5359, 0.3516,  
0.4508


 92.2622, 0.3434,  
0.4171

 24.8484, 0.3550,  
0.4682


 119.0068, 0.3412,  
0.4096

 15.9641, 0.3586,  
0.4909


 150.4767, 0.3394,  
0.4033

 9.4988, 0.3616,  
0.5217

187.0562, 0.3377,  
0.3979

 5.0679, 0.3630,  
0.5665

229.1298, 0.3363,  
0.3932

 2.2872, 0.3599,  
0.6401

277.0819, 0.3350,

 0.7669, 0.1837,

0.3891

0.8163

331.2968, 0.3338,  
0.3855

0.0000, 0.0000,  
0.0000

51.4111, 0.3485,  
0.4371

51.4111, 0.3485,  
0.4371

50.2189, 0.3554,  
0.4645

52.7499, 0.3404,  
0.4091

49.1593, 0.3607,  
0.4900

54.2349, 0.3315,  
0.3815

48.2270, 0.3638,  
0.5125


55.8743, 0.3223,  
0.3551

47.4132, 0.3646,  
0.5307

57.6738, 0.3132,  
0.3302


46.7075, 0.3628,  
0.5441


59.6386, 0.3043,  
0.3072

 46.1195, 0.3593,  
0.5529

 61.7737, 0.2957,  
0.2862

 63.8225, 0.2903,  
0.2710

 64.9291, 0.2952,  
0.2718

 66.0810, 0.3002,  
0.2727

# Harmonies

## Analogous

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



51.4111, 0.3994, 0.4235



51.4111, 0.3485, 0.4371



51.4111, 0.2906, 0.4138

# Triad

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



51.4111, 0.3485, 0.4371



51.4111, 0.2082, 0.2575



51.4111, 0.3855, 0.2972

# Complementary

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



51.4111, 0.3485, 0.4371



23.5758, 0.2635, 0.2137

# 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.



51.4111, 0.3270, 0.2613



51.4111, 0.3485, 0.4371



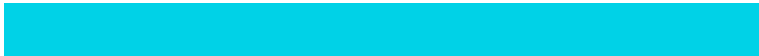
51.4111, 0.2278, 0.2378

# Square

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



51.4111, 0.3485, 0.4371



51.4111, 0.2126, 0.3002



51.4111, 0.2694, 0.2401



51.4111, 0.4241, 0.3414



# Rectangle

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



51.4111, 0.3485, 0.4371



51.4111, 0.2560, 0.3796



51.4111, 0.2694, 0.2401



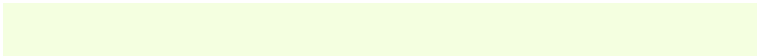
51.4111, 0.3672, 0.2839

# Sweetspot

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



51.4134, 0.3485, 0.4371



96.2283, 0.3239, 0.3594



34.1746, 0.3996, 0.3648



20.5143, 0.3251, 0.3628



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

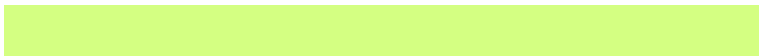


# Same Dimension

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



51.4134, 0.3485, 0.4371



87.0881, 0.3549, 0.4623



47.5946, 0.3167, 0.4488



12.2260, 0.3213, 0.3522



29.3707, 0.3602, 0.5522



1.4298, 0.3727, 0.5422



# Inverse Universe

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



23.5758, 0.2635, 0.2137



32.1208, 0.2491, 0.1846



27.8700, 0.3032, 0.2260



10.4631, 0.3036, 0.3055



3.5077, 0.1772, 0.0750



0.2064, 0.2014, 0.0883



# Previews

## White Background



This preview shows how the Yxy color 51.4111, 0.3485, 0.4371 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 51.4111, 0.3485, 0.4371 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 51.4111, 0.3485, 0.4371**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4111, 0.3485, 0.4371.



This preview shows how white text looks on a background with the Yxy color 51.4111, 0.3485, 0.4371.

# 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

51.4111, 0.3485, 0.4371

### Protanopia

51.3301, 0.3866, 0.4200

### Deuteranopia

50.9718, 0.4042, 0.3954



## Tritanopia

51.3020, 0.2961, 0.3103

# Trichromacy



## Original Color

51.4111, 0.3485, 0.4371

## Protanomaly

51.3139, 0.3722, 0.4273

## Deuteranomaly

50.7815, 0.3831, 0.4095

## Tritanomaly

51.2233, 0.3155, 0.3550

# Monochromacy



## Original Color

51.4111, 0.3485, 0.4371

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

48.3634, 0.3267, 0.3690

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4111, 0.3485, 0.4371 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(172, 200, 119)` looks like.

```
.text, #text, p{  
    color:rgb(172, 200, 119)  
}
```

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(172, 200, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 200, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4111, 0.3485, 0.4371 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(172, 200, 119) }
```

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

```
.border{ border-color:rgb(172, 200, 119) }
```

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

Here you see how a box with a 4 pixel rgb(172, 200, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 200, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 200, 119);  
box-shadow:4px 4px 4px 4px rgb(172, 200,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4111, 0.3485, 0.4371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 200, 119) }
```

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

```
.background{ background-color: rgb(172,  
200, 119) }
```

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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