

# Converting Colors

Yxy(50.2906, 0.3165, 0.4541)

Have a look what the booklet for  
Yxy(50.2906, 0.3165, 0.4541)  
contains.

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# Color

**Yxy(50.4611, 0.3163, 0.4551)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85CE77
RGB	133, 206, 119
RGB Percent	52%, 81%, 47%
CMY	0.4785, 0.1921, 0.5333
CMYK	0.35, 0.00, 0.42, 0.19
HSL	110°, 47%, 64%
HSV	110°, 42%, 81%
XYZ	35.0711, 50.4611, 25.3470
YIQ	174.2550, -15.5810, -42.5330

# Conversions

## Conversions Part 2

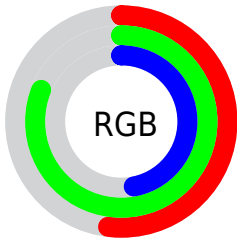
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 206, 192
Decimal	8769143
CIELab	76.35, -39.44, 36.19
CIELCh	76, 53.532, 137.458
Yxy	50.4611, 0.3163, 0.4551
Android (android.graphics.Color)	4286959223 (0xFF85CE77)
YUV	174.2550, -27.2407, -36.1806
Hunter-Lab	71.0360, -36.1860, 28.5694

# Details

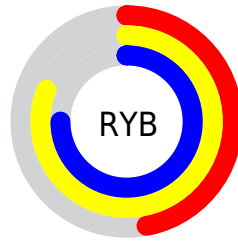
The Yxy color **50.4611, 0.3163, 0.4551** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.8655, 0.3032, 0.2216**, and the grayscale version is **42.6126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3174, 0.3184, 0.4232**, and **24.2252, 0.3130, 0.4935** is the 20% darker color. If you saturate the color by 10%, you get **48.7273, 0.3159, 0.4893**, and if you desaturate by 10%, it is **52.5382, 0.3161, 0.4214**.

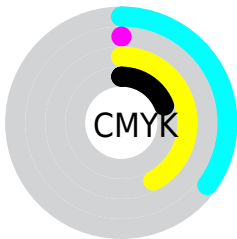
# Distribution



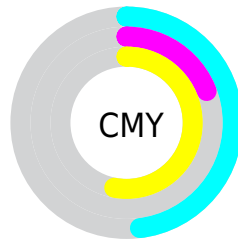
- Red (52%)
- Green (81%)
- Blue (47%)



- Red (47%)
- Yellow (81%)
- Blue (75%)



- Cyan (35%)
- Magenta (0%)
- Yellow (42%)
- Black (19%)




- Cyan (48%)
- Magenta (19%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4611, 0.3163, 0.4551 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 50.4611, 0.3163, 0.4551 by changing the saturation by 10% instead.




 50.4611, 0.3163,  
0.4551

 50.4611, 0.3163,  
0.4551


388.4664, 0.3170,  
0.3893

 35.7799, 0.3152,  
0.4722


 90.8577, 0.3172,  
0.4307

 24.2643, 0.3132,  
0.4943


 117.3419, 0.3174,  
0.4216

 15.5298, 0.3094,  
0.5241


 148.5292, 0.3174,  
0.4140

 9.1920, 0.3021,  
0.5656

184.8040, 0.3174,  
0.4076

 4.8666, 0.2879,  
0.6287

226.5508, 0.3173,  
0.4021

 2.1692, 0.2589,  
0.7411

274.1538, 0.3173,

 0.7031, 0.0000,

0.3972

1.0000

327.9976, 0.3172,  
0.3930

0.0000, 0.0000,  
0.0000

50.4611, 0.3163,  
0.4551

50.4611, 0.3163,  
0.4551

48.7273, 0.3159,  
0.4893

52.5382, 0.3161,  
0.4214

47.3121, 0.3147,  
0.5220

54.9691, 0.3154,  
0.3896

46.1975, 0.3127,  
0.5510


57.7718, 0.3143,  
0.3605

45.3610, 0.3100,  
0.5739

60.9611, 0.3130,  
0.3344


44.7767, 0.3068,  
0.5892

64.5509, 0.3116,  
0.3113

 44.4711, 0.3045,  
0.5964

 68.5547, 0.3102,  
0.2912

 72.4444, 0.3143,  
0.2810

 72.6268, 0.3150,  
0.2811

# Harmonies

## Analogous

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



50.4611, 0.3851, 0.4584



50.4611, 0.3163, 0.4551



50.4611, 0.2502, 0.4015

# Triad

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



50.4611, 0.3163, 0.4551



50.4611, 0.1967, 0.2262



50.4611, 0.4325, 0.3168

# Complementary

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



50.4611, 0.3163, 0.4551



28.8655, 0.3032, 0.2216

# 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.



50.4611, 0.3698, 0.2687



50.4611, 0.3163, 0.4551



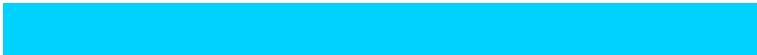
50.4611, 0.2337, 0.2184

# Square

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



50.4611, 0.3163, 0.4551



50.4611, 0.1865, 0.2612



50.4611, 0.2952, 0.2339



50.4611, 0.4575, 0.3707



# Rectangle

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



50.4611, 0.3163, 0.4551



50.4611, 0.2166, 0.3501



50.4611, 0.2952, 0.2339



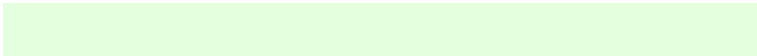
50.4611, 0.4148, 0.2998

# Sweetspot

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



50.4632, 0.3163, 0.4551



93.1444, 0.3144, 0.3631



51.9392, 0.3819, 0.4174



19.7109, 0.3147, 0.3694



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.



50.4632, 0.3163, 0.4551



79.0940, 0.3159, 0.4873



50.2079, 0.2892, 0.4146



12.6220, 0.3140, 0.3528



27.4092, 0.3051, 0.5960



1.4419, 0.3166, 0.5868



# Inverse Universe

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



28.8655, 0.3032, 0.2216



39.3889, 0.3000, 0.1991



29.4940, 0.3487, 0.2572



11.3091, 0.3113, 0.3060



8.2459, 0.2810, 0.1321



0.4504, 0.2892, 0.1367



# Previews

## White Background



This preview shows how the Yxy color 50.4611, 0.3163, 0.4551 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 50.4611, 0.3163, 0.4551 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 50.4611, 0.3163, 0.4551**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.4611, 0.3163, 0.4551.



This preview shows how white text looks on a background with the Yxy color 50.4611, 0.3163, 0.4551.

# 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

50.4611, 0.3163, 0.4551

### Protanopia

49.6896, 0.3885, 0.4209

### Deuteranopia

49.7284, 0.4008, 0.3918



## Tritanopia

50.1229, 0.2682, 0.3079

# Trichromacy



## Original Color

50.4611, 0.3163, 0.4551



## Protanomaly

49.4051, 0.3595, 0.4335



## Deuteranomaly

49.0317, 0.3673, 0.4139



## Tritanomaly

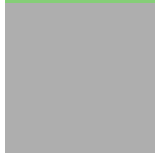
49.9008, 0.2855, 0.3581

# Monochromacy



## Original Color

50.4611, 0.3163, 0.4551



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

44.8218, 0.3147, 0.3743

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.4611, 0.3163, 0.4551 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(133, 206, 119)` looks like.

```
.text, #text, p{  
    color:rgb(133, 206, 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(133, 206, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 206, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 50.4611, 0.3163, 0.4551 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(133, 206, 119) }
```

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

```
.border{ border-color:rgb(133, 206, 119) }
```

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

Here you see how a box with a 4 pixel rgb(133, 206, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 206, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 206, 119);  
box-shadow:4px 4px 4px 4px rgb(133, 206,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.4611, 0.3163, 0.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 206, 119) }
```

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

```
.background{ background-color: rgb(133,  
206, 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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