

# Converting Colors

$Yxy(81.3811, 0.3620, 0.4835)$

Have a look what the booklet for  
Yxy(81.3811, 0.3620, 0.4835)  
contains.

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# Color

**Yxy(81.3485, 0.3614, 0.4833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAF96A
RGB	202, 249, 106
RGB Percent	79%, 98%, 42%
CMY	0.2079, 0.0235, 0.5842
CMYK	0.19, 0.00, 0.57, 0.02
HSL	80°, 92%, 70%
HSV	80°, 57%, 98%
XYZ	60.8304, 81.3485, 26.1399
YIQ	218.6450, 17.8910, -54.4370

# Conversions

## Conversions Part 2

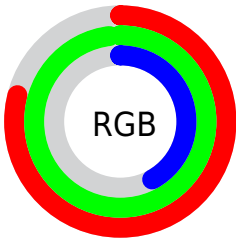
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 249, 153
Decimal	13302122
CIELab	92.29, -35.86, 62.40
CIELCh	92, 71.972, 119.889
Yxy	81.3485, 0.3614, 0.4833
Android (android.graphics.Color)	4291492202 (0xFFCAF96A)
YUV	218.6450, -55.5340, -14.5977
Hunter-Lab	90.1934, -37.4501, 45.9519

# Details

The Yxy color **81.3485, 0.3614, 0.4833** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **23.9349, 0.2334, 0.1577**, and the grayscale version is **70.9633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3532, 0.3683, 0.4210**, and **43.9493, 0.3663, 0.5176** is the 20% darker color. If you saturate the color by 10%, you get **79.7944, 0.3654, 0.5065**, and if you desaturate by 10%, it is **83.1208, 0.3553, 0.4572**.

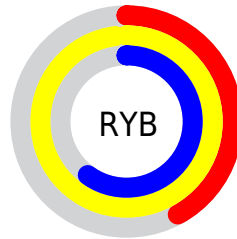
# Distribution



Red (79%)

Green (98%)

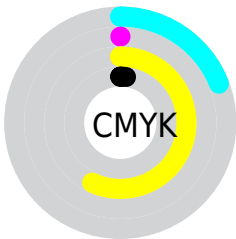
Blue (42%)



Red (42%)

Yellow (98%)

Blue (60%)

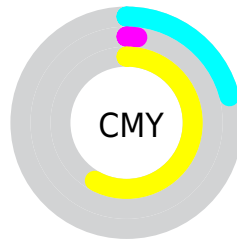


Cyan (19%)

Magenta (0%)

Yellow (57%)

Black (2%)



Cyan (21%)

Magenta (2%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3485, 0.3614, 0.4833 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 81.3485, 0.3614, 0.4833 by changing the saturation by 10% instead.





 81.3485, 0.3614,  
0.4833


 81.3485, 0.3614,  
0.4833

499.4658, 0.3439,  
0.4114


 60.8287, 0.3638,  
0.4991


 135.2600, 0.3565,  
0.4587


 44.0869, 0.3659,  
0.5181


 169.4204, 0.3543,  
0.4490

 30.7388, 0.3672,  
0.5412


 208.8966, 0.3522,  
0.4406

 20.4001, 0.3664,  
0.5693

 254.0727, 0.3502,  
0.4333

 12.6862, 0.3614,  
0.6036

305.3333, 0.3484,  
0.4268

 7.2128, 0.3502,  
0.6498

363.0628, 0.3468,


 3.5955, 0.3130,

0.4211

0.6870

427.6455, 0.3453,  
0.4160


 1.4500, 0.2235,  
0.7765


 0.2531, 0.0000,  
1.0000


 81.3485, 0.3614,  
0.4833


 81.3485, 0.3614,  
0.4833


 79.7944, 0.3654,  
0.5065

 83.1208, 0.3553,  
0.4572


 78.4335, 0.3669,  
0.5257


 85.1133, 0.3476,  
0.4295

 77.2524, 0.3659,  
0.5399


 87.3412, 0.3388,  
0.4013

 76.2297, 0.3625,  
0.5492

 89.8149, 0.3294,  
0.3738

 75.9831, 0.3615,  
0.5512

 92.5444, 0.3198,  
0.3474

 95.5105, 0.3105,  
0.3232

 96.2378, 0.3130,  
0.3233

# Harmonies

## Analogous

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



81.3485, 0.4316, 0.4537



81.3485, 0.3614, 0.4833



81.3485, 0.2825, 0.4566

# Triad

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



81.3485, 0.3614, 0.4833



81.3485, 0.1725, 0.2310



81.3485, 0.4114, 0.2815

# Complementary

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



81.3485, 0.3614, 0.4833



23.9349, 0.2334, 0.1577

# 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.



81.3485, 0.3268, 0.2362



81.3485, 0.3614, 0.4833



81.3485, 0.1960, 0.2064

# Square

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



81.3485, 0.3614, 0.4833



81.3485, 0.1785, 0.2888



81.3485, 0.2487, 0.2095



81.3485, 0.4680, 0.3379



# Rectangle

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



81.3485, 0.3614, 0.4833



81.3485, 0.2355, 0.4061



81.3485, 0.2487, 0.2095



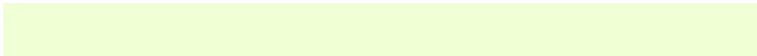
81.3485, 0.3845, 0.2647

# Sweetspot

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



81.3521, 0.3614, 0.4833



94.9106, 0.3290, 0.3727



43.4164, 0.4573, 0.3761



20.1973, 0.3309, 0.3782



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.



81.3521, 0.3614, 0.4833



83.9711, 0.3658, 0.5100



73.7247, 0.3170, 0.5077



19.8879, 0.3218, 0.3528



40.7492, 0.3624, 0.5504



3.8317, 0.3693, 0.5450



# Inverse Universe

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



23.9349, 0.2334, 0.1577



18.1320, 0.2138, 0.1244



32.8115, 0.2946, 0.1837



16.9203, 0.3030, 0.3048



4.6878, 0.1738, 0.0731

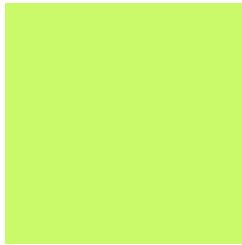


0.4892, 0.1865, 0.0801



# Previews

## White Background



This preview shows how the Yxy color 81.3485, 0.3614, 0.4833 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 81.3485, 0.3614, 0.4833 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 81.3485, 0.3614, 0.4833**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.3485, 0.3614, 0.4833.

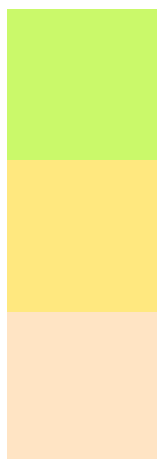


This preview shows how white text looks on a background with the Yxy color 81.3485, 0.3614, 0.4833.

# 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

81.3485, 0.3614, 0.4833

### Protanopia

80.5055, 0.3971, 0.4325

### Deuteranopia

80.7323, 0.3535, 0.3615



## Tritanopia

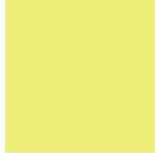
81.0896, 0.2928, 0.3103

# Trichromacy



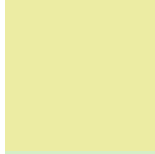
## Original Color

81.3485, 0.3614, 0.4833



## Protanomaly

80.3138, 0.3845, 0.4508



## Deuteranomaly

80.4681, 0.3594, 0.4062



## Tritanomaly

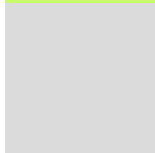
80.0027, 0.3199, 0.3730

# Monochromacy



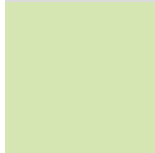
## Original Color

81.3485, 0.3614, 0.4833



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

73.9541, 0.3343, 0.3877

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.3485, 0.3614, 0.4833 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(202, 249, 106)` looks like.

```
.text, #text, p{  
    color:rgb(202, 249, 106)  
}
```

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(202, 249, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 249, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 81.3485, 0.3614, 0.4833 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(202, 249, 106) }
```

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

```
.border{ border-color:rgb(202, 249, 106) }
```

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

Here you see how a box with a 4 pixel rgb(202, 249, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 249, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 249, 106);  
box-shadow:4px 4px 4px 4px rgb(202, 249,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.3485, 0.3614, 0.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 249, 106) }
```

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

```
.background{ background-color: rgb(202,  
249, 106) }
```

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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