

# Converting Colors

Yxy(83.6483, 0.3245, 0.4157)

Have a look what the booklet for  
Yxy(83.6483, 0.3245, 0.4157)  
contains.

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# Color

**Yxy(83.5305, 0.3247, 0.4155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7FAAD
RGB	199, 250, 173
RGB Percent	78%, 98%, 68%
CMY	0.2197, 0.0196, 0.3215
CMYK	0.20, 0.00, 0.31, 0.02
HSL	100°, 89%, 83%
HSV	100°, 31%, 98%
XYZ	65.2764, 83.5305, 52.2292
YIQ	225.9730, -5.6790, -34.7590

# Conversions

## Conversions Part 2

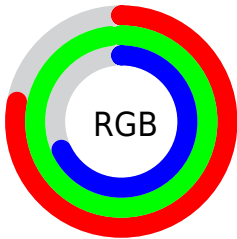
Format	Color
<a href="#">RYB</a>	<a href="#">173, 250, 224</a>
Decimal	<a href="#">13105837</a>
CIELab	<a href="#">93.25, -29.75, 31.80</a>
CIElCh	<a href="#">93, 43.543, 133.096</a>
Yxy	<a href="#">83.5305, 0.3247, 0.4155</a>
Android (android.graphics.Color)	<a href="#">4291295917</a> ( <a href="#">0xFFC7FAAD</a> )
YUV	<a href="#">225.9730, -26.1157, -23.6553</a>
Hunter-Lab	<a href="#">91.3950, -32.4525, 30.0943</a>

# Details

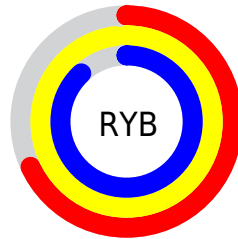
The Yxy color **83.5305, 0.3247, 0.4155** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.6583, 0.2957, 0.2473**, and the grayscale version is **76.2270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **45.4253, 0.3261, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **80.5099, 0.3275, 0.4475**, and if you desaturate by 10%, it is **86.9864, 0.3212, 0.3850**.

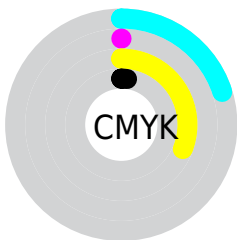
# Distribution



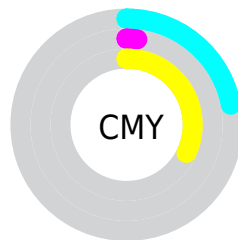
- Red (78%)
- Green (98%)
- Blue (68%)



- Red (68%)
- Yellow (98%)
- Blue (88%)



- Cyan (20%)
- Magenta (0%)
- Yellow (31%)
- Black (2%)




- Cyan (22%)
- Magenta (2%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5305, 0.3247, 0.4155 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 83.5305, 0.3247, 0.4155 by changing the saturation by 10% instead.



 83.5305, 0.3247,  
0.4155

 83.5305, 0.3247,  
0.4155


506.7528, 0.3204,  
0.3747

 62.6279, 0.3253,  
0.4249


 138.3182, 0.3235,  
0.4012

 45.5402, 0.3260,  
0.4366


172.9721, 0.3229,  
0.3957

 31.8832, 0.3265,  
0.4515


212.9786, 0.3224,  
0.3910

 21.2723, 0.3266,  
0.4709

258.7220, 0.3219,  
0.3869

 13.3232, 0.3259,  
0.4972

310.5867, 0.3215,  
0.3833

 7.6515, 0.3230,  
0.5345

368.9571, 0.3211,

 3.8727, 0.3164,

0.3801

0.5947

434.2177, 0.3207,  
0.3773

■ 1.6026, 0.2941,  
0.7059

■ 0.3594, 0.0000,  
1.0000

■ 83.5305, 0.3247,  
0.4155

■ 83.5305, 0.3247,  
0.4155

■ 80.5099, 0.3275,  
0.4475

■ 86.9864, 0.3212,  
0.3850

■ 77.8958, 0.3293,  
0.4799

■ 90.8837, 0.3172,  
0.3566

■ 75.6725, 0.3297,  
0.5110

■ 95.2418, 0.3130,  
0.3309

■ 73.8186, 0.3285,  
0.5388

■ 96.8586, 0.3129,  
0.3243

■ 72.3106, 0.3256,  
0.5615

■ 71.1216, 0.3212,  
0.5777

■ 70.2746, 0.3163,  
0.5870

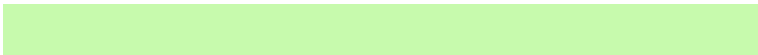
# Harmonies

## Analogous

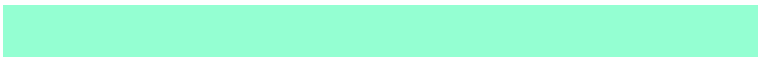
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5305, 0.3719, 0.4169



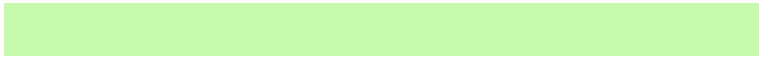
83.5305, 0.3247, 0.4155



83.5305, 0.2765, 0.3841

# Triad

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



83.5305, 0.3247, 0.4155



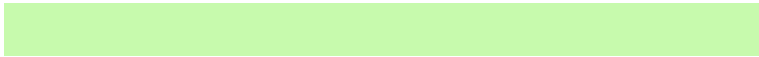
83.5305, 0.2270, 0.2592



83.5305, 0.3899, 0.3167

# Complementary

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



83.5305, 0.3247, 0.4155



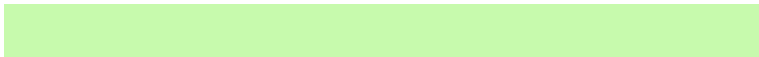
52.6583, 0.2957, 0.2473

# Split Complementary

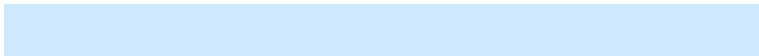
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5305, 0.3454, 0.2818



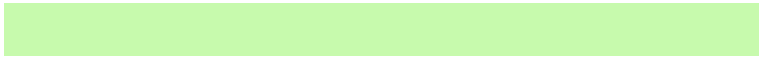
83.5305, 0.3247, 0.4155



83.5305, 0.2520, 0.2491

# Square

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



83.5305, 0.3247, 0.4155



83.5305, 0.2227, 0.2889



83.5305, 0.2943, 0.2577

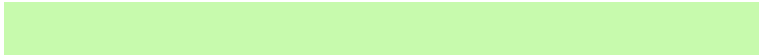


83.5305, 0.4120, 0.3563



# Rectangle

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



83.5305, 0.3247, 0.4155



83.5305, 0.2502, 0.3520



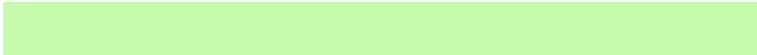
83.5305, 0.2943, 0.2577



83.5305, 0.3768, 0.3042

# Sweetspot

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



83.5341, 0.3247, 0.4155



95.8363, 0.3165, 0.3519



76.1552, 0.3671, 0.3809



20.3768, 0.3171, 0.3558



0.0000, 0.0000, 0.0000

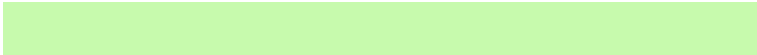


21.4041, 0.3127, 0.3290

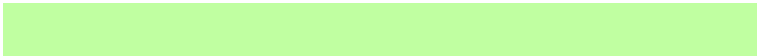


# Same Dimension

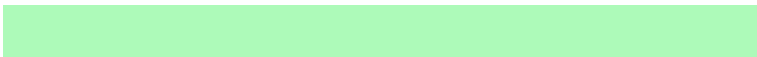
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5341, 0.3247, 0.4155



85.3450, 0.3266, 0.4354



80.7505, 0.3023, 0.4058



19.5933, 0.3167, 0.3532



37.3423, 0.3174, 0.5862



3.5142, 0.3264, 0.5791



# Inverse Universe

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



52.6583, 0.2957, 0.2473



48.3088, 0.2912, 0.2298



56.4233, 0.3254, 0.2627



17.2146, 0.3084, 0.3052



8.0300, 0.2374, 0.1081

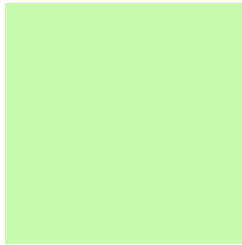


0.8019, 0.2475, 0.1137



# Previews

## White Background



This preview shows how the Yxy color 83.5305, 0.3247, 0.4155 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 83.5305, 0.3247, 0.4155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

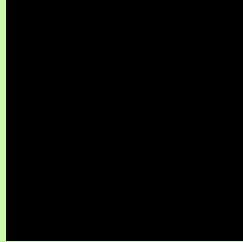
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

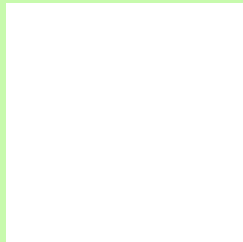
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.5305, 0.3247, 0.4155**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5305, 0.3247, 0.4155.

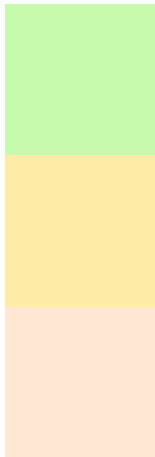


This preview shows how white text looks on a background with the Yxy color 83.5305, 0.3247, 0.4155.

# 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

83.5305, 0.3247, 0.4155

### Protanopia

83.0525, 0.3703, 0.3989

### Deuteranopia

83.1150, 0.3427, 0.3491



## Tritanopia

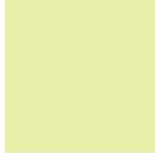
83.5519, 0.2888, 0.3124

# Trichromacy



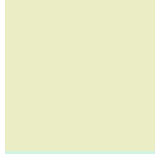
## Original Color

83.5305, 0.3247, 0.4155



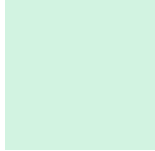
## Protanomaly

82.5084, 0.3524, 0.4042



## Deuteranomaly

82.8425, 0.3365, 0.3721



## Tritanomaly

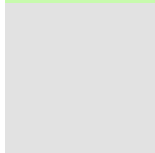
83.2391, 0.3022, 0.3483

# Monochromacy



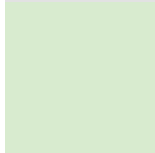
## Original Color

83.5305, 0.3247, 0.4155



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

78.5206, 0.3173, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5305, 0.3247, 0.4155 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(199, 250, 173)` looks like.

```
.text, #text, p{  
    color:rgb(199, 250, 173)  
}
```

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(199, 250, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 250, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5305, 0.3247, 0.4155 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(199, 250, 173) }
```

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

```
.border{ border-color:rgb(199, 250, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 250, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 250, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 250, 173);  
box-shadow:4px 4px 4px 4px rgb(199, 250,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5305, 0.3247, 0.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 250, 173) }
```

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

```
.background{ background-color: rgb(199,  
250, 173) }
```

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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