

# Converting Colors

Yxy(83.4303, 0.3148, 0.4046)

Have a look what the booklet for  
Yxy(83.4303, 0.3148, 0.4046)  
contains.

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# Color

**Yxy(83.1694, 0.3147, 0.4038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1FAB8
RGB	193, 250, 184
RGB Percent	76%, 98%, 72%
CMY	0.2434, 0.0195, 0.2785
CMYK	0.23, 0.00, 0.26, 0.02
HSL	112°, 87%, 85%
HSV	112°, 26%, 98%
XYZ	64.8178, 83.1694, 57.9797
YIQ	225.4330, -12.7860, -32.6100

# Conversions

## Conversions Part 2

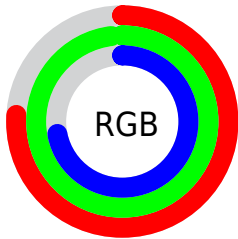
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 250, 241
Decimal	12712632
CIELab	93.09, -30.11, 25.98
CIElCh	93, 39.763, 139.210
Yxy	83.1694, 0.3147, 0.4038
Android (android.graphics.Color)	4290902712 (0xFFC1FAB8)
YUV	225.4330, -20.4265, -28.4437
Hunter-Lab	91.1973, -32.7277, 26.1438

# Details

The Yxy color **83.1694, 0.3147, 0.4038** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.8947, 0.3089, 0.2617**, and the grayscale version is **75.7735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1353, 0.3183, 0.3436**, and **45.1819, 0.3137, 0.4213** is the 20% darker color. If you saturate the color by 10%, you get **79.5805, 0.3149, 0.4372**, and if you desaturate by 10%, it is **87.3658, 0.3141, 0.3729**.

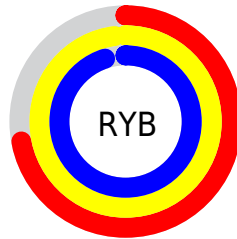
# Distribution



Red (76%)

Green (98%)

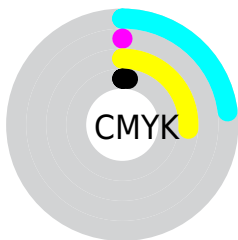
Blue (72%)



Red (72%)

Yellow (98%)

Blue (95%)

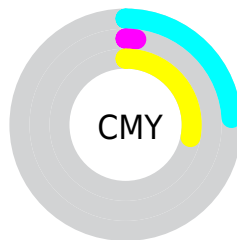


Cyan (23%)

Magenta (0%)

Yellow (26%)

Black (2%)



Cyan (24%)

Magenta (2%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1694, 0.3147, 0.4038 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 83.1694, 0.3147, 0.4038 by changing the saturation by 10% instead.




 83.1694, 0.3147,  
0.4038

 83.1694, 0.3147,  
0.4038


505.5509, 0.3147,  
0.3685

 62.3299, 0.3145,  
0.4120


 137.8127, 0.3149,  
0.3914

 45.2993, 0.3141,  
0.4222


172.3853, 0.3149,  
0.3867

 31.6933, 0.3134,  
0.4352

212.3044, 0.3149,  
0.3826

 21.1273, 0.3123,  
0.4523

257.9543, 0.3148,  
0.3790

 13.2171, 0.3100,  
0.4757

309.7196, 0.3148,  
0.3759

 7.5782, 0.3056,  
0.5096


367.9845, 0.3148,


 3.8263, 0.2960,

0.3731

0.5620


433.1335, 0.3147,  
0.3707

 1.5769, 0.2894,  
0.7106


 0.3419, 0.0000,  
1.0000


 83.1694, 0.3147,  
0.4038


 83.1694, 0.3147,  
0.4038


 79.5805, 0.3149,  
0.4372


 87.3658, 0.3141,  
0.3729

 76.5607, 0.3145,  
0.4720

 92.1848, 0.3133,  
0.3451

 74.0837, 0.3135,  
0.5064

 96.8627, 0.3129,  
0.3243

 72.1168, 0.3119,  
0.5381

■ 70.6238, 0.3096,  
0.5647

■ 69.5635, 0.3068,  
0.5840

■ 68.8872, 0.3039,  
0.5950

■ 68.7208, 0.3030,  
0.5976

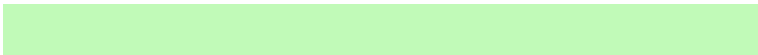
# Harmonies

## Analogous

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



83.1694, 0.3592, 0.4113



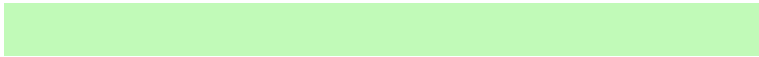
83.1694, 0.3147, 0.4038



83.1694, 0.2717, 0.3707

# Triad

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



83.1694, 0.3147, 0.4038



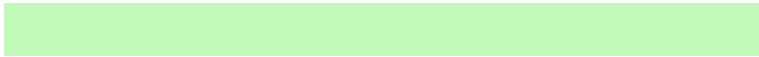
83.1694, 0.2369, 0.2615



83.1694, 0.3894, 0.3253

# Complementary

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



83.1694, 0.3147, 0.4038



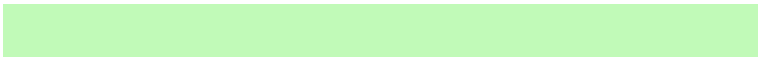
59.8947, 0.3089, 0.2617

# 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.



83.1694, 0.3520, 0.2915



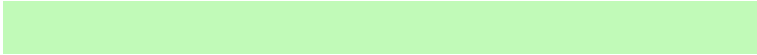
83.1694, 0.3147, 0.4038



83.1694, 0.2638, 0.2556

# Square

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



83.1694, 0.3147, 0.4038



83.1694, 0.2289, 0.2856



83.1694, 0.3053, 0.2667

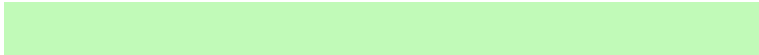


83.1694, 0.4044, 0.3620



# Rectangle

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



83.1694, 0.3147, 0.4038



83.1694, 0.2493, 0.3407



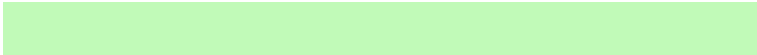
83.1694, 0.3053, 0.2667



83.1694, 0.3789, 0.3134

# Sweetspot

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



83.1729, 0.3147, 0.4038



95.5624, 0.3135, 0.3494



86.1756, 0.3551, 0.3860



20.2861, 0.3136, 0.3534



0.0000, 0.0000, 0.0000

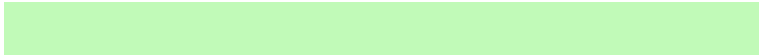


21.4041, 0.3127, 0.3290

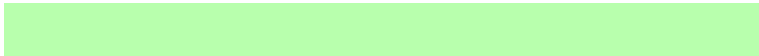


# Same Dimension

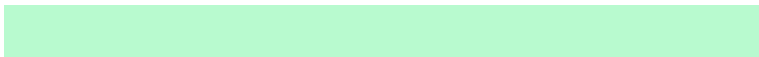
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1729, 0.3147, 0.4038



84.7998, 0.3148, 0.4223



83.0823, 0.2965, 0.3776



19.4220, 0.3136, 0.3534



36.4803, 0.3036, 0.5971



3.4124, 0.3096, 0.5924



# Inverse Universe

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



59.8947, 0.3089, 0.2617



56.4833, 0.3077, 0.2470



60.1468, 0.3336, 0.2850



17.3983, 0.3116, 0.3055



11.4609, 0.2869, 0.1354

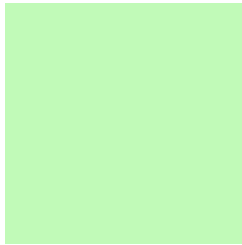


1.0934, 0.2912, 0.1378



# Previews

## White Background



This preview shows how the Yxy color 83.1694, 0.3147, 0.4038 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

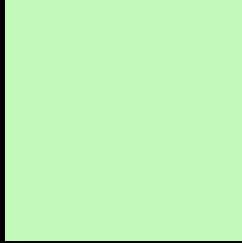
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.1694, 0.3147, 0.4038 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

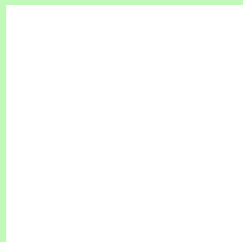
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.1694, 0.3147, 0.4038**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1694, 0.3147, 0.4038.

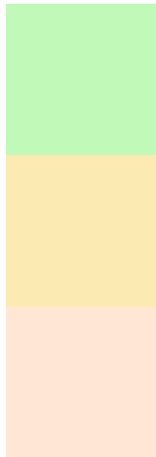


This preview shows how white text looks on a background with the Yxy color 83.1694, 0.3147, 0.4038.

# 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

83.1694, 0.3147, 0.4038

### Protanopia

82.5292, 0.3619, 0.3872

### Deuteranopia

82.6577, 0.3415, 0.3461



## Tritanopia

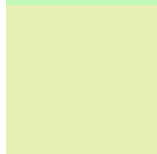
82.8019, 0.2858, 0.3122

# Trichromacy



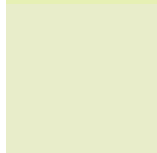
## Original Color

83.1694, 0.3147, 0.4038



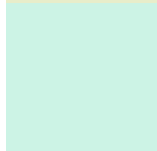
## Protanomaly

82.4385, 0.3434, 0.3930



## Deuteranomaly

81.9884, 0.3314, 0.3660



## Tritanomaly

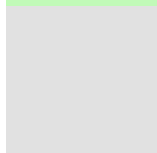
82.5957, 0.2962, 0.3441

# Monochromacy



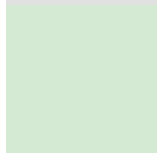
## Original Color

83.1694, 0.3147, 0.4038



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.6449, 0.3135, 0.3554

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.1694, 0.3147, 0.4038 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(193, 250, 184)` looks like.

```
.text, #text, p{  
    color:rgb(193, 250, 184)  
}
```

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(193, 250, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 250, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1694, 0.3147, 0.4038 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(193, 250, 184) }
```

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

```
.border{ border-color:rgb(193, 250, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 250, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 250, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 250, 184);  
box-shadow:4px 4px 4px 4px rgb(193, 250,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1694, 0.3147, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 250, 184) }
```

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

```
.background{ background-color: rgb(193,  
250, 184) }
```

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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