

# Converting Colors

$Yxy(83.7600, 0.3013, 0.3880)$

Have a look what the booklet for  
Yxy(83.7600, 0.3013, 0.3880)  
contains.

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# Color

**Yxy(83.4322, 0.3015, 0.3881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9FBC7
RGB	185, 251, 199
RGB Percent	73%, 98%, 78%
CMY	0.2745, 0.0157, 0.2195
CMYK	0.26, 0.00, 0.21, 0.02
HSL	133°, 89%, 85%
HSV	133°, 26%, 98%
XYZ	64.8153, 83.4322, 66.7286
YIQ	225.3380, -22.6440, -30.1640

# Conversions

## Conversions Part 2

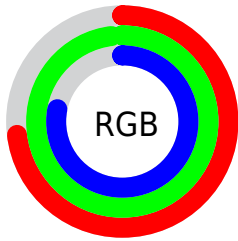
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 239, 251
Decimal	12188615
CIELab	93.20, -30.61, 18.40
CIELCh	93, 35.711, 148.986
Yxy	83.4322, 0.3015, 0.3881
Android (android.graphics.Color)	4290378695 (0xFFB9FBC7)
YUV	225.3380, -12.9846, -35.3764
Hunter-Lab	91.3412, -33.1844, 20.6251

# Details

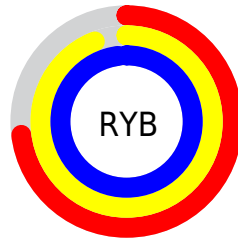
The Yxy color **83.4322, 0.3015, 0.3881** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.3237, 0.3264, 0.2764**, and the grayscale version is **75.6615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **45.3737, 0.2981, 0.4024** is the 20% darker color. If you saturate the color by 10%, you get **79.7249, 0.2976, 0.4152**, and if you desaturate by 10%, it is **87.8169, 0.3057, 0.3635**.

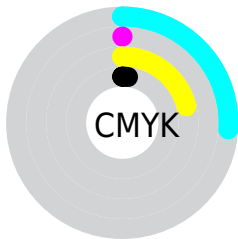
# Distribution



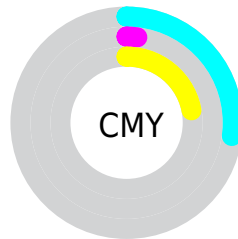
- Red (73%)
- Green (98%)
- Blue (78%)



- Red (73%)
- Yellow (94%)
- Blue (98%)



- Cyan (26%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)



- Cyan (27%)
- Magenta (2%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4322, 0.3015, 0.3881 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 83.4322, 0.3015, 0.3881 by changing the saturation by 10% instead.





 83.4322, 0.3015,  
0.3881

 83.4322, 0.3015,  
0.3881


506.4258, 0.3071,  
0.3603

 62.5468, 0.3001,  
0.3946


 138.1806, 0.3035,  
0.3784

 45.4746, 0.2983,  
0.4026


172.8124, 0.3043,  
0.3746

 31.8314, 0.2960,  
0.4128


212.7951, 0.3050,  
0.3714

 21.2328, 0.2928,  
0.4263

258.5131, 0.3055,  
0.3686

 13.2943, 0.2882,  
0.4449

310.3507, 0.3060,  
0.3661

 7.6315, 0.2811,  
0.4721


368.6925, 0.3064,


 3.8601, 0.2688,


0.3640


0.5150

433.9227, 0.3068,  
0.3620


 1.5956, 0.2525,  
0.6275


 0.3546, 0.0000,  
1.0000


 83.4322, 0.3015,  
0.3881


 83.4322, 0.3015,  
0.3881

 79.7249, 0.2976,  
0.4152


 87.8169, 0.3057,  
0.3635

 76.6509, 0.2942,  
0.4442

 92.8997, 0.3100,  
0.3415

 74.1772, 0.2916,  
0.4743

 97.4767, 0.3129,  
0.3252

 72.2637, 0.2901,  
0.5041

■ 70.8650, 0.2900,  
0.5318

■ 69.9285, 0.2912,  
0.5559

■ 69.3894, 0.2936,  
0.5748

■ 69.2563, 0.2946,  
0.5804

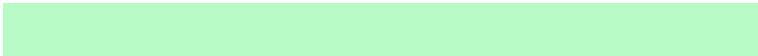
# Harmonies

## Analogous

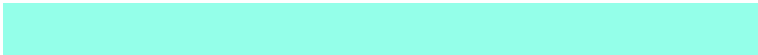
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4322, 0.3423, 0.4030



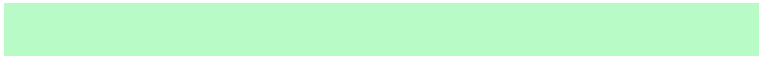
83.4322, 0.3015, 0.3881



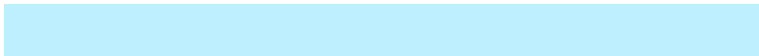
83.4322, 0.2653, 0.3536

# Triad

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



83.4322, 0.3015, 0.3881



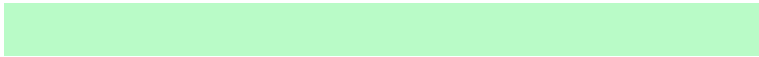
83.4322, 0.2504, 0.2646



83.4322, 0.3883, 0.3369

# Complementary

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



83.4322, 0.3015, 0.3881



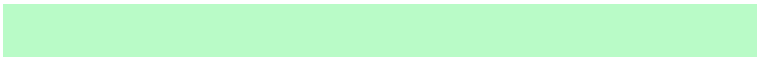
61.3237, 0.3264, 0.2764

# 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.



83.4322, 0.3605, 0.3046



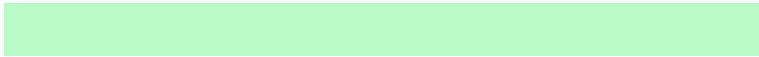
83.4322, 0.3015, 0.3881



83.4322, 0.2799, 0.2642

# Square

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



83.4322, 0.3015, 0.3881



83.4322, 0.2373, 0.2814



83.4322, 0.3200, 0.2787

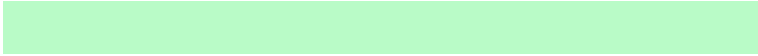


83.4322, 0.3941, 0.3696



# Rectangle

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



83.4322, 0.3015, 0.3881



83.4322, 0.2482, 0.3264



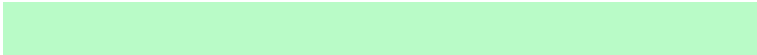
83.4322, 0.3200, 0.2787



83.4322, 0.3812, 0.3258

# Sweetspot

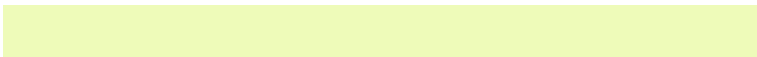
The Sweet Spot groups the original color and five complimentary colors.



83.4357, 0.3015, 0.3881



95.3420, 0.3093, 0.3451



90.6428, 0.3435, 0.3969



20.2313, 0.3086, 0.3483



0.0000, 0.0000, 0.0000

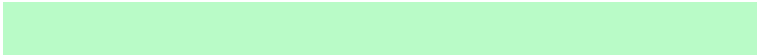


21.4041, 0.3127, 0.3290

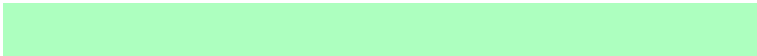


# Same Dimension

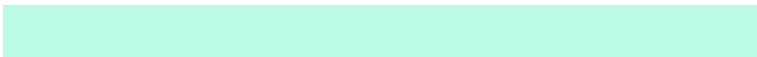
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4357, 0.3015, 0.3881



84.1993, 0.2992, 0.4034



85.0925, 0.2843, 0.3508



19.3695, 0.3086, 0.3482



36.4199, 0.2939, 0.5781



3.3879, 0.2881, 0.5570



# Inverse Universe

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



61.3237, 0.3264, 0.2764



57.4549, 0.3301, 0.2647



59.6080, 0.3525, 0.3084



17.4577, 0.3171, 0.3105



12.9390, 0.3833, 0.1885

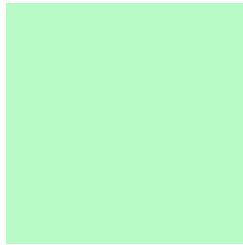


1.2136, 0.3743, 0.1836



# Previews

## White Background



This preview shows how the Yxy color 83.4322, 0.3015, 0.3881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

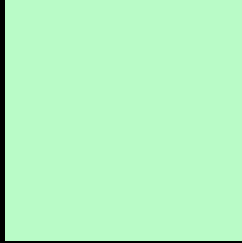
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.4322, 0.3015, 0.3881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

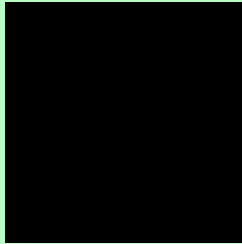
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

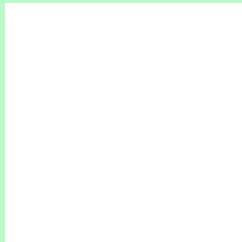
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.4322, 0.3015, 0.3881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.4322, 0.3015, 0.3881.

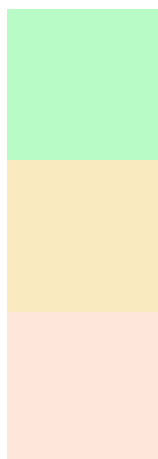


This preview shows how white text looks on a background with the Yxy color 83.4322, 0.3015, 0.3881.

# 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

83.4322, 0.3015, 0.3881

### Protanopia

82.7470, 0.3512, 0.3731

### Deuteranopia

82.9156, 0.3381, 0.3411



## Tritanopia

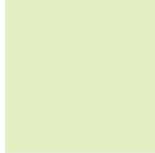
82.9501, 0.2840, 0.3132

# Trichromacy



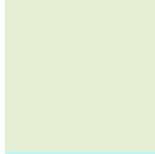
## Original Color

83.4322, 0.3015, 0.3881



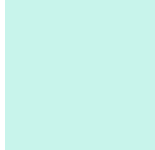
## Protanomaly

82.3840, 0.3318, 0.3783



## Deuteranomaly

82.6752, 0.3241, 0.3575



## Tritanomaly

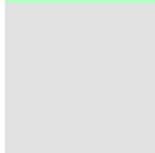
82.9789, 0.2905, 0.3387

# Monochromacy



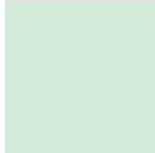
## Original Color

83.4322, 0.3015, 0.3881



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.5051, 0.3078, 0.3488

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.4322, 0.3015, 0.3881 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(185, 251, 199)` looks like.

```
.text, #text, p{  
    color:rgb(185, 251, 199)  
}
```

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(185, 251, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 251, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 83.4322, 0.3015, 0.3881 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(185, 251, 199) }
```

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

```
.border{ border-color:rgb(185, 251, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 251, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 251, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 251, 199); box-shadow:4px 4px 4px 4px rgb(185, 251, 199) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.4322, 0.3015, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 251, 199) }
```

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

```
.background{ background-color: rgb(185,  
251, 199) }
```

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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