

# Converting Colors

Yxy(83.9616, 0.3016, 0.4028)

Have a look what the booklet for  
Yxy(83.9616, 0.3016, 0.4028)  
contains.

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# Color

**Yxy(83.9484, 0.3016, 0.4028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1FEBE
RGB	177, 254, 190
RGB Percent	69%, 100%, 75%
CMY	0.3061, 0.0039, 0.2549
CMYK	0.30, 0.00, 0.25, 0.00
HSL	130°, 98%, 85%
HSV	130°, 30%, 100%
XYZ	62.8571, 83.9484, 61.6066
YIQ	223.6810, -25.3480, -36.2280

# Conversions

## Conversions Part 2

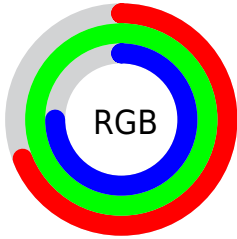
Format	Color
<a href="#">RYB</a>	<a href="#">177, 243, 254</a>
Decimal	<a href="#">11665086</a>
CIELab	<a href="#">93.43, -36.05, 23.25</a>
CIElCh	<a href="#">93, 42.899, 147.182</a>
Yxy	<a href="#">83.9484, 0.3016, 0.4028</a>
Android (android.graphics.Color)	<a href="#">4289855166 (0xFFB1FEBE)</a>
YUV	<a href="#">223.6810, -16.6047, -40.9392</a>
Hunter-Lab	<a href="#">91.6234, -37.8831, 24.2704</a>

# Details

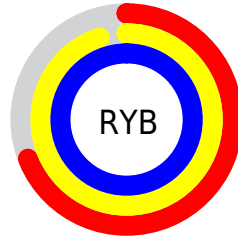
The Yxy color **83.9484, 0.3016, 0.4028** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.8422, 0.3264, 0.2650**, and the grayscale version is **74.4291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7278, 0.3044, 0.3369**, and **45.8477, 0.2984, 0.4217** is the 20% darker color. If you saturate the color by 10%, you get **80.3860, 0.2983, 0.4323**, and if you desaturate by 10%, it is **88.2064, 0.3052, 0.3756**.

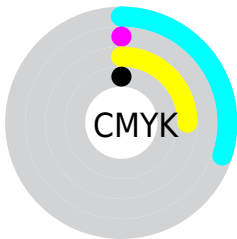
# Distribution



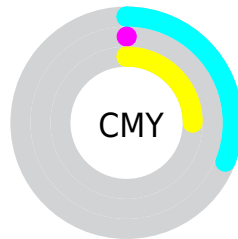
- Red (69%)
- Green (100%)
- Blue (75%)



- Red (69%)
- Yellow (95%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9484, 0.3016, 0.4028 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 83.9484, 0.3016, 0.4028 by changing the saturation by 10% instead.





 83.9484, 0.3016,  
0.4028

 83.9484, 0.3016,  
0.4028


508.1419, 0.3075,  
0.3679

 62.9728, 0.3001,  
0.4109


 138.9030, 0.3038,  
0.3905

 45.8192, 0.2981,  
0.4211


173.6508, 0.3046,  
0.3858

 32.1032, 0.2955,  
0.4341


213.7582, 0.3053,  
0.3818

 21.4403, 0.2918,  
0.4512

259.6095, 0.3058,  
0.3782

 13.4463, 0.2863,  
0.4748

311.5891, 0.3063,  
0.3752

 7.7366, 0.2775,  
0.5092


370.0814, 0.3068,


 3.9268, 0.2619,

0.3724

0.5634

435.4709, 0.3071,  
0.3700

 1.6327, 0.2461,  
0.7539


 0.3795, 0.0000,  
1.0000


 83.9484, 0.3016,  
0.4028


 83.9484, 0.3016,  
0.4028


 80.3860, 0.2983,  
0.4323


 88.2064, 0.3052,  
0.3756


 77.4722, 0.2955,  
0.4635

 93.1833, 0.3089,  
0.3512

 75.1704, 0.2936,  
0.4948

 98.9143, 0.3126,  
0.3297

 73.4361, 0.2927,  
0.5248

 99.3741, 0.3128,  
0.3281

■ 72.2188, 0.2930,  
0.5512

■ 71.4585, 0.2944,  
0.5725

■ 71.0689, 0.2964,  
0.5870

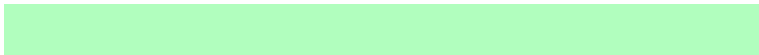
# Harmonies

## Analogous

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



83.9484, 0.3502, 0.4185



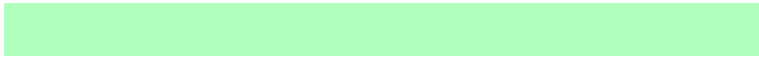
83.9484, 0.3016, 0.4028



83.9484, 0.2581, 0.3614

# Triad

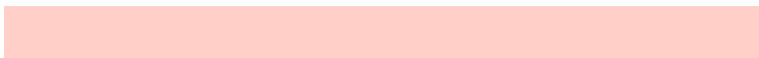
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9484, 0.3016, 0.4028



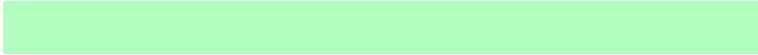
83.9484, 0.2374, 0.2532



83.9484, 0.4023, 0.3351

# Complementary

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



83.9484, 0.3016, 0.4028



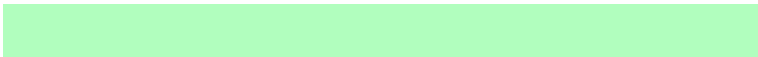
58.8422, 0.3264, 0.2650

# 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.



83.9484, 0.3672, 0.2977



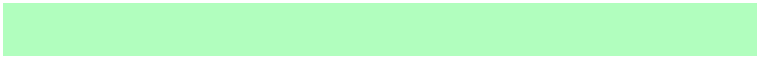
83.9484, 0.3016, 0.4028



83.9484, 0.2708, 0.2521

# Square

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



83.9484, 0.3016, 0.4028



83.9484, 0.2234, 0.2735



83.9484, 0.3180, 0.2682

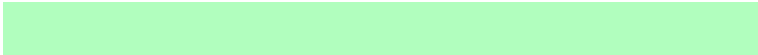


83.9484, 0.4106, 0.3739



# Rectangle

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



83.9484, 0.3016, 0.4028



83.9484, 0.2375, 0.3282



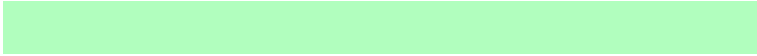
83.9484, 0.3180, 0.2682



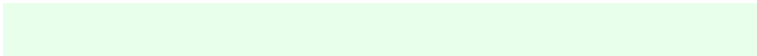
83.9484, 0.3931, 0.3221

# Sweetspot

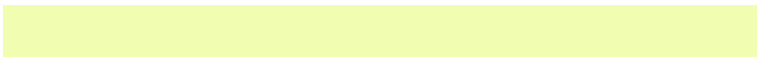
The Sweet Spot groups the original color and five complimentary colors.



83.9519, 0.3016, 0.4028



94.7368, 0.3094, 0.3482



92.7967, 0.3499, 0.4074



20.1080, 0.3089, 0.3515



0.0000, 0.0000, 0.0000

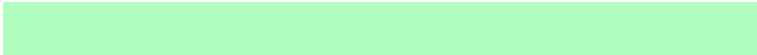


21.4041, 0.3127, 0.3290

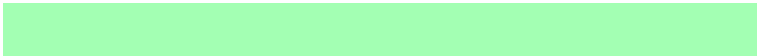


# Same Dimension

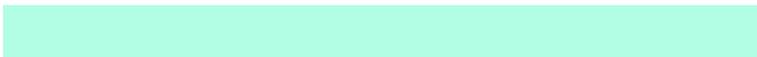
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9519, 0.3016, 0.4028



82.5726, 0.2997, 0.4193



85.8535, 0.2816, 0.3576



20.2184, 0.3092, 0.3493



37.4773, 0.2958, 0.5850



3.6624, 0.2908, 0.5670



# Inverse Universe

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



58.8422, 0.3264, 0.2650



53.7835, 0.3295, 0.2531



56.7885, 0.3585, 0.3024



18.2444, 0.3164, 0.3095



13.6063, 0.3692, 0.1807

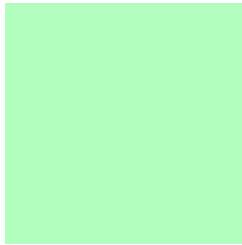


1.3382, 0.3627, 0.1772



# Previews

## White Background



This preview shows how the Yxy color 83.9484, 0.3016, 0.4028 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

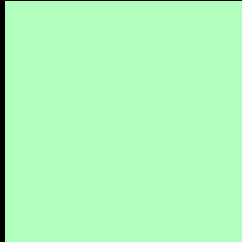
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.9484, 0.3016, 0.4028 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

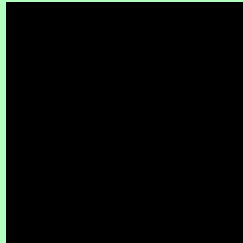
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

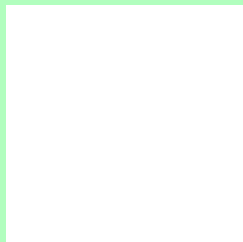
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.9484, 0.3016, 0.4028**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9484, 0.3016, 0.4028.

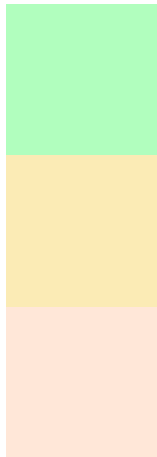


This preview shows how white text looks on a background with the Yxy color 83.9484, 0.3016, 0.4028.

# 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

83.9484, 0.3016, 0.4028

### Protanopia

83.2621, 0.3590, 0.3841

### Deuteranopia

83.3697, 0.3393, 0.3441



## Tritanopia

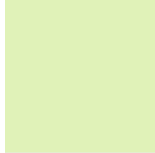
83.3960, 0.2835, 0.3143

# Trichromacy



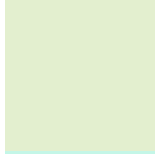
## Original Color

83.9484, 0.3016, 0.4028



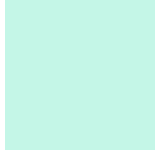
## Protanomaly

82.8122, 0.3363, 0.3915



## Deuteranomaly

82.5689, 0.3245, 0.3630



## Tritanomaly

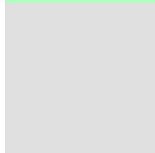
83.4168, 0.2904, 0.3453

# Monochromacy



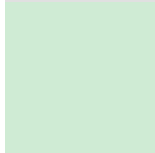
## Original Color

83.9484, 0.3016, 0.4028



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

77.4355, 0.3082, 0.3545

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9484, 0.3016, 0.4028 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(177, 254, 190)` looks like.

```
.text, #text, p{  
    color:rgb(177, 254, 190)  
}
```

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(177, 254, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 254, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9484, 0.3016, 0.4028 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(177, 254, 190) }
```

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

```
.border{ border-color:rgb(177, 254, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 254, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 254, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 254, 190);  
box-shadow:4px 4px 4px 4px rgb(177, 254,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9484, 0.3016, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 254, 190) }
```

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

```
.background{ background-color: rgb(177,  
254, 190) }
```

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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