

# Converting Colors

$Yxy(85.9075, 0.3108, 0.4067)$

Have a look what the booklet for  
Yxy(85.9075, 0.3108, 0.4067)  
contains.

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# Color

**Yxy(85.8840, 0.3108, 0.4069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BDFFBFA</a>
RGB	<a href="#">189, 255, 186</a>
RGB Percent	<a href="#">74%, 100%, 73%</a>
CMY	<a href="#">0.2590, 0.0000, 0.2705</a>
<a href="#">CMYK</a>	<a href="#">0.26, 0.00, 0.27, 0.00</a>
HSL	<a href="#">117°, 100%, 86%</a>
HSV	<a href="#">117°, 27%, 100%</a>
XYZ	<a href="#">65.6003, 85.8840, 59.5848</a>
YIQ	<a href="#">227.4000, -17.1870, -35.4510</a>

# Conversions

## Conversions Part 2

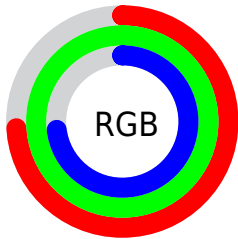
Format	Color
R <sub>YB</sub>	186, 255, 252
Decimal	12451770
CIE <sub>Lab</sub>	94.26, -33.40, 26.52
CIE <sub>LCh</sub>	94, 42.649, 141.553
Y <sub>xy</sub>	85.8840, 0.3108, 0.4069
Android (android.graphics.Color)	4290641850 (0xFFBDFEBA)
YUV	227.4000, -20.4102, -33.6768
Hunter-Lab	92.6736, -35.8252, 26.7508

# Details

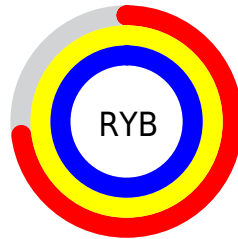
The Yxy color **85.8840, 0.3108, 0.4069** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.0568, 0.3136, 0.2610**, and the grayscale version is **77.2714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5236, 0.3146, 0.3417**, and **47.1224, 0.3096, 0.4267** is the 20% darker color. If you saturate the color by 10%, you get **82.0248, 0.3097, 0.4413**, and if you desaturate by 10%, it is **90.4499, 0.3117, 0.3752**.

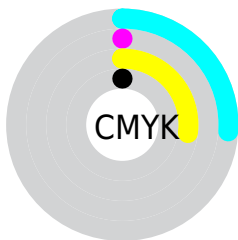
# Distribution



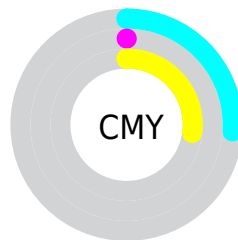
- Red (74%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (99%)



- Cyan (26%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8840, 0.3108, 0.4069 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 85.8840, 0.3108, 0.4069 by changing the saturation by 10% instead.




 85.8840, 0.3108,  
0.4069

 85.8840, 0.3108,  
0.4069


514.5486, 0.3126,  
0.3702

 64.5721, 0.3102,  
0.4154


 141.6076, 0.3116,  
0.3941

 47.1142, 0.3093,  
0.4259


176.7880, 0.3119,  
0.3891

 33.1259, 0.3079,  
0.4394


217.3601, 0.3121,  
0.3849

 22.2229, 0.3059,  
0.4570

263.7082, 0.3122,  
0.3812

 14.0208, 0.3026,  
0.4811

316.2167, 0.3123,  
0.3779

 8.1351, 0.2966,  
0.5157


375.2700, 0.3124,


 4.1815, 0.2848,

0.3751

0.5690


441.2525, 0.3125,  
0.3725


 1.7756, 0.2785,  
0.7215


 0.4719, 0.0000,  
1.0000


 85.8840, 0.3108,  
0.4069


 85.8840, 0.3108,  
0.4069

 82.0248, 0.3097,  
0.4413


 90.4499, 0.3117,  
0.3752

 78.8544, 0.3084,  
0.4771

 95.7753, 0.3123,  
0.3469

 76.3268, 0.3068,  
0.5123

100.0000, 0.3127,  
0.3290

 74.3981, 0.3052,  
0.5444

■ 73.0187, 0.3035,  
0.5705

■ 72.1312, 0.3020,  
0.5886

■ 71.6651, 0.3008,  
0.5979

■ 71.5898, 0.3006,  
0.5995

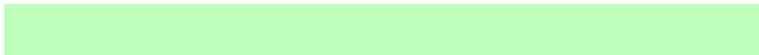
# Harmonies

## Analogous

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



85.8840, 0.3583, 0.4168



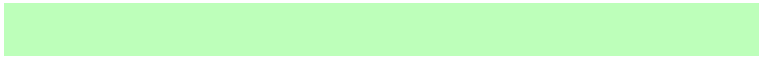
85.8840, 0.3108, 0.4069



85.8840, 0.2660, 0.3698

# Triad

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



85.8840, 0.3108, 0.4069



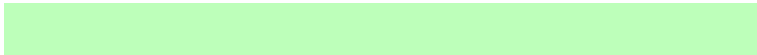
85.8840, 0.2342, 0.2564



85.8840, 0.3963, 0.3279

# Complementary

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



85.8840, 0.3108, 0.4069



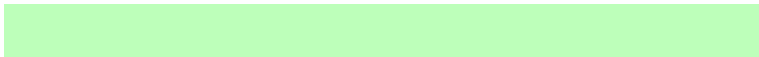
63.0568, 0.3136, 0.2610

# 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.



85.8840, 0.3580, 0.2918



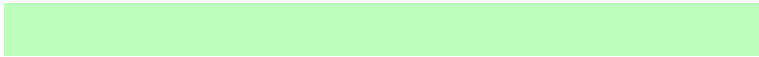
85.8840, 0.3108, 0.4069



85.8840, 0.2639, 0.2519

# Square

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



85.8840, 0.3108, 0.4069



85.8840, 0.2241, 0.2801



85.8840, 0.3086, 0.2648

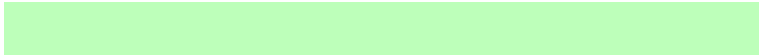


85.8840, 0.4100, 0.3665



# Rectangle

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



85.8840, 0.3108, 0.4069



85.8840, 0.2434, 0.3374



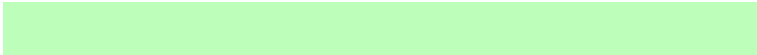
85.8840, 0.3086, 0.2648



85.8840, 0.3858, 0.3152

# Sweetspot

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



85.8777, 0.3108, 0.4069



95.2364, 0.3123, 0.3494



94.1453, 0.3546, 0.3938



20.2048, 0.3122, 0.3535



0.0000, 0.0000, 0.0000

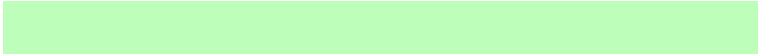


21.4041, 0.3127, 0.3290

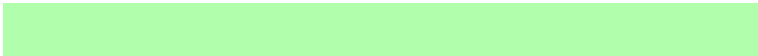


# Same Dimension

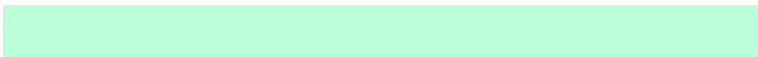
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8777, 0.3108, 0.4069



83.8830, 0.3103, 0.4236



86.9748, 0.2925, 0.3711



20.2048, 0.3122, 0.3535



37.4230, 0.3009, 0.5993



3.6561, 0.3029, 0.5977



# Inverse Universe

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



63.0568, 0.3136, 0.2610



57.8710, 0.3137, 0.2485



61.7665, 0.3398, 0.2905



18.2588, 0.3131, 0.3055



13.8580, 0.3103, 0.1483

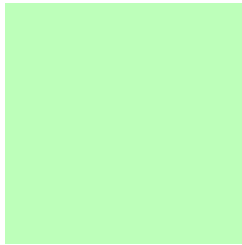


1.3610, 0.3116, 0.1490



# Previews

## White Background



This preview shows how the Yxy color 85.8840, 0.3108, 0.4069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

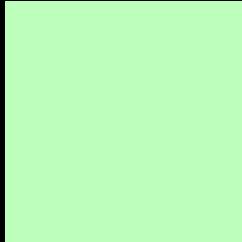
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8840, 0.3108, 0.4069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

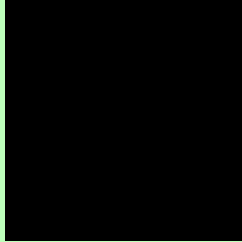
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

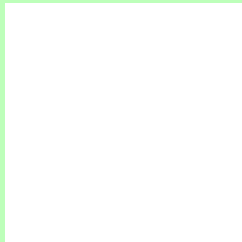
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.8840, 0.3108, 0.4069**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.8840, 0.3108, 0.4069.

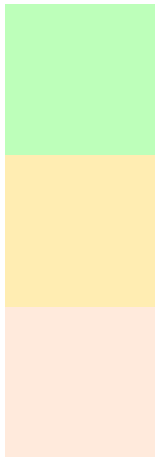


This preview shows how white text looks on a background with the Yxy color 85.8840, 0.3108, 0.4069.

# 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

85.8840, 0.3108, 0.4069

### Protanopia

85.0427, 0.3634, 0.3884

### Deuteranopia

85.2729, 0.3362, 0.3430



## Tritanopia

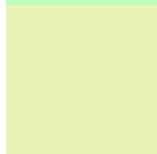
85.3232, 0.2889, 0.3155

# Trichromacy



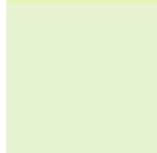
## Original Color

85.8840, 0.3108, 0.4069



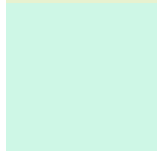
## Protanomaly

85.0265, 0.3427, 0.3956



## Deuteranomaly

85.0473, 0.3263, 0.3647



## Tritanomaly

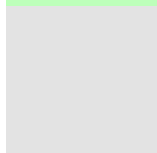
85.3565, 0.2969, 0.3472

# Monochromacy



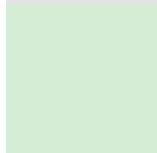
## Original Color

85.8840, 0.3108, 0.4069



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

79.4680, 0.3121, 0.3563

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.8840, 0.3108, 0.4069 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(189, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 186)  
}
```

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(189, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8840, 0.3108, 0.4069 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(189, 255, 186) }
```

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

```
.border{ border-color:rgb(189, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 255, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 255, 186); box-shadow:4px 4px 4px 4px rgb(189, 255, 186) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8840, 0.3108, 0.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 186) }
```

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

```
.background{ background-color: rgb(189,  
255, 186) }
```

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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