

# Converting Colors

$Yxy(86.4094, 0.3037, 0.3920)$

Have a look what the booklet for  
Yxy(86.4094, 0.3037, 0.3920)  
contains.

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# Color

**Yxy(86.4623, 0.3038, 0.3918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>BDFFC7</code>
RGB	<code>189, 255, 199</code>
RGB Percent	<code>74%, 100%, 78%</code>
CMY	<code>0.2590, 0.0000, 0.2197</code>
CMYK	<code>0.26, 0.00, 0.22, 0.00</code>
HSL	<code>129°, 100%, 87%</code>
HSV	<code>129°, 26%, 100%</code>
XYZ	<code>67.0425, 86.4623, 67.1749</code>
YIQ	<code>228.8820, -21.3600, -31.4080</code>

# Conversions

## Conversions Part 2

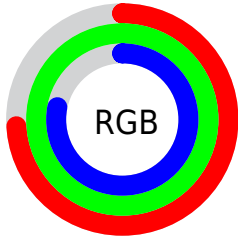
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	189, 246, 255
Decimal	12451783
CIE Lab	94.51, -31.25, 20.27
CIE LCh	95, 37.252, 147.028
Yxy	86.4623, 0.3038, 0.3918
Android (android.graphics.Color)	4290641863 (0xFFBDFFC7)
YUV	228.8820, -14.7318, -34.9765
Hunter-Lab	92.9851, -34.0250, 22.2569

# Details

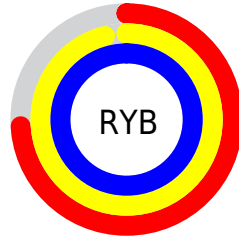
The Yxy color **86.4623, 0.3038, 0.3918** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.2216, 0.3232, 0.2734**, and the grayscale version is **78.3701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **47.5008, 0.3010, 0.4069** is the 20% darker color. If you saturate the color by 10%, you get **82.5420, 0.3005, 0.4210**, and if you desaturate by 10%, it is **91.0826, 0.3072, 0.3652**.

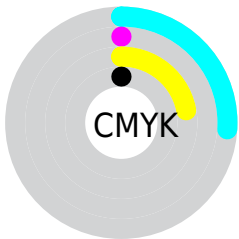
# Distribution



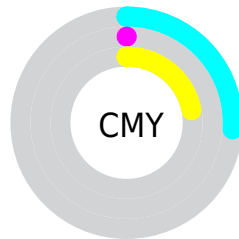
- Red (74%)
- Green (100%)
- Blue (78%)



- Red (74%)
- Yellow (96%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4623, 0.3038, 0.3918 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 86.4623, 0.3038, 0.3918 by changing the saturation by 10% instead.




 86.4623, 0.3038,  
0.3918

 86.4623, 0.3038,  
0.3918


516.4544, 0.3084,  
0.3624

 65.0503, 0.3026,  
0.3986


 142.4144, 0.3055,  
0.3815

 47.5019, 0.3011,  
0.4070


177.7234, 0.3061,  
0.3776

 33.4326, 0.2991,  
0.4177


218.4335, 0.3067,  
0.3742

 22.4580, 0.2963,  
0.4317

264.9290, 0.3071,  
0.3712

 14.1939, 0.2923,  
0.4510

317.5945, 0.3075,  
0.3686

 8.2556, 0.2859,  
0.4787


376.8143, 0.3079,


 4.2589, 0.2746,


0.3663


0.5221

442.9728, 0.3082,  
0.3642


 1.8194, 0.2620,  
0.6242

 0.4992, 0.0000,  
1.0000


 86.4623, 0.3038,  
0.3918


 86.4623, 0.3038,  
0.3918

 82.5420, 0.3005,  
0.4210

 91.0826, 0.3072,  
0.3652

 79.3096, 0.2976,  
0.4521

 96.4603, 0.3107,  
0.3416

 76.7181, 0.2954,  
0.4841

100.0000, 0.3127,  
0.3290

 74.7241, 0.2940,  
0.5153

■ 73.2790, 0.2937,  
0.5436

■ 72.3266, 0.2945,  
0.5671

■ 71.7975, 0.2963,  
0.5842

■ 71.6648, 0.2970,  
0.5893

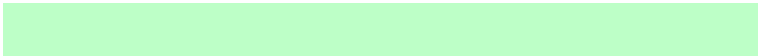
# Harmonies

## Analogous

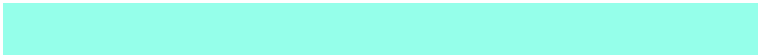
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4623, 0.3458, 0.4055



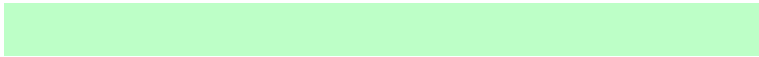
86.4623, 0.3038, 0.3918



86.4623, 0.2659, 0.3570

# Triad

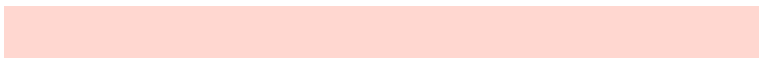
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4623, 0.3038, 0.3918



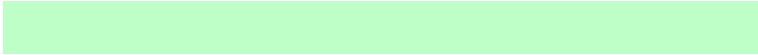
86.4623, 0.2472, 0.2633



86.4623, 0.3895, 0.3348

# Complementary

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



86.4623, 0.3038, 0.3918



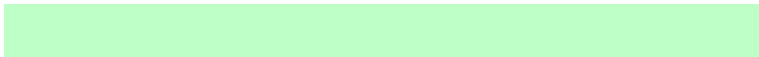
64.2216, 0.3232, 0.2734

# 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.



86.4623, 0.3595, 0.3018



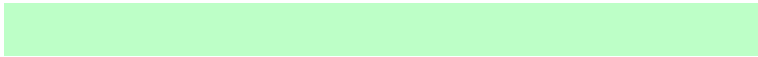
86.4623, 0.3038, 0.3918



86.4623, 0.2764, 0.2619

# Square

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



86.4623, 0.3038, 0.3918



86.4623, 0.2349, 0.2816



86.4623, 0.3173, 0.2759

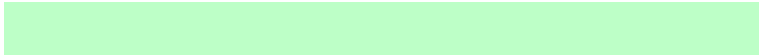


86.4623, 0.3970, 0.3686



# Rectangle

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



86.4623, 0.3038, 0.3918



86.4623, 0.2477, 0.3290



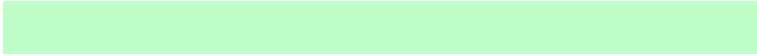
86.4623, 0.3173, 0.2759



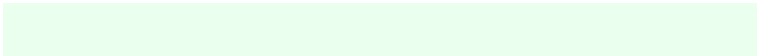
86.4623, 0.3816, 0.3234

# Sweetspot

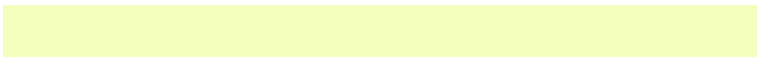
The Sweet Spot groups the original color and five complimentary colors.



86.4543, 0.3038, 0.3918



95.2695, 0.3100, 0.3463



94.6207, 0.3453, 0.3955



20.2131, 0.3095, 0.3498



0.0000, 0.0000, 0.0000

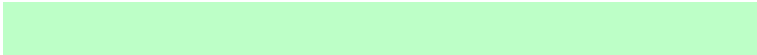


21.4041, 0.3127, 0.3290

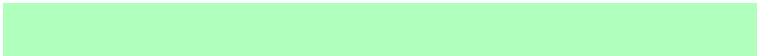


# Same Dimension

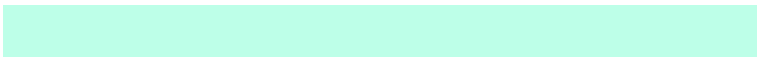
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4543, 0.3038, 0.3918



84.3734, 0.3021, 0.4064



88.1511, 0.2863, 0.3541



20.2131, 0.3095, 0.3498



37.4597, 0.2965, 0.5874



3.6599, 0.2917, 0.5702



# Inverse Universe

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



64.2216, 0.3232, 0.2734



58.7615, 0.3256, 0.2624



62.3879, 0.3491, 0.3053



18.2501, 0.3161, 0.3091



13.7243, 0.3636, 0.1777

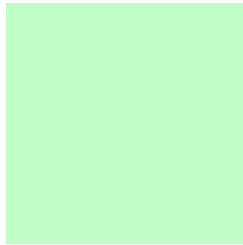


1.3486, 0.3579, 0.1745



# Previews

## White Background



This preview shows how the Yxy color 86.4623, 0.3038, 0.3918 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

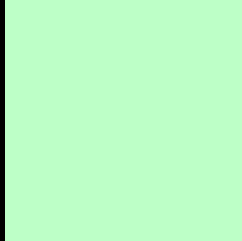
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4623, 0.3038, 0.3918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

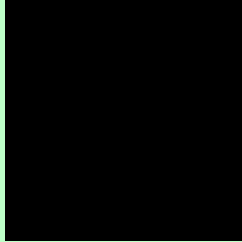
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

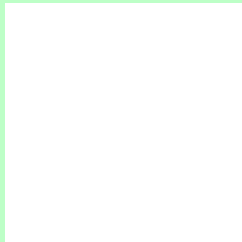
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.4623, 0.3038, 0.3918**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4623, 0.3038, 0.3918.

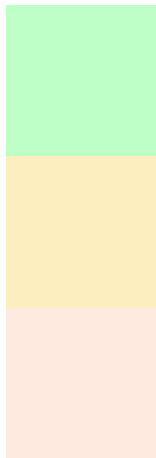


This preview shows how white text looks on a background with the Yxy color 86.4623, 0.3038, 0.3918.

# 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

86.4623, 0.3038, 0.3918

### Protanopia

85.7933, 0.3532, 0.3765

### Deuteranopia

85.4875, 0.3335, 0.3390



## Tritanopia

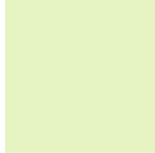
86.0729, 0.2895, 0.3166

# Trichromacy



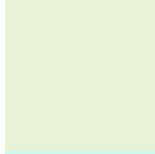
## Original Color

86.4623, 0.3038, 0.3918



## Protanomaly

85.4194, 0.3340, 0.3818



## Deuteranomaly

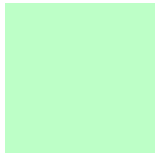
85.3995, 0.3219, 0.3572



## Tritanomaly

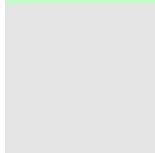
85.7851, 0.2947, 0.3417

# Monochromacy



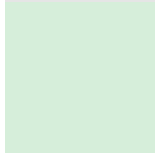
## Original Color

86.4623, 0.3038, 0.3918



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.5072, 0.3091, 0.3506

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4623, 0.3038, 0.3918 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 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(189, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4623, 0.3038, 0.3918 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, 199) }
```

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

```
.border{ border-color:rgb(189, 255, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4623, 0.3038, 0.3918 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, 199) }
```

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

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