

# Converting Colors

$Yxy(85.9009, 0.3134, 0.3814)$

Have a look what the booklet for  
Yxy(85.9009, 0.3134, 0.3814)  
contains.

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# Color

**Yxy(85.9009, 0.3134, 0.3814)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFFACA
RGB	207, 250, 202
RGB Percent	81%, 98%, 79%
CMY	0.1881, 0.0196, 0.2078
CMYK	0.17, 0.00, 0.19, 0.02
HSL	114°, 83%, 89%
HSV	114°, 19%, 98%
XYZ	70.5856, 85.9009, 68.7387
YIQ	231.6710, -10.2200, -24.0440

# Conversions

## Conversions Part 2

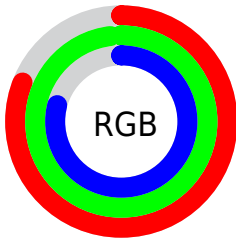
Format	Color
<b>R<sub>YB</sub></b>	202, 250, 245
Decimal	13630154
CIE Lab	94.27, -22.51, 18.55
CIE LCh	94, 29.170, 140.513
Yxy	85.9009, 0.3134, 0.3814
Android (android.graphics.Color)	4291820234 (0xFFCFFACA)
YUV	231.6710, -14.6278, -21.6365
Hunter-Lab	92.6827, -26.2523, 20.9051

# Details

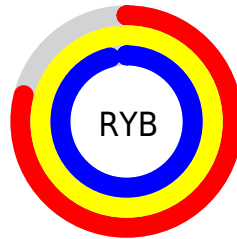
The Yxy color **85.9009, 0.3134, 0.3814** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.5516, 0.3113, 0.2807**, and the grayscale version is **80.5610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9534, 0.3129, 0.3932** is the 20% darker color. If you saturate the color by 10%, you get **81.8157, 0.3134, 0.4133**, and if you desaturate by 10%, it is **90.6422, 0.3131, 0.3526**.

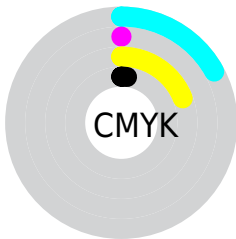
# Distribution



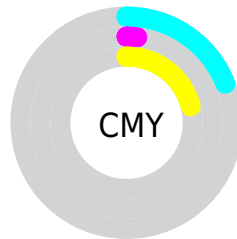
- Red (81%)
- Green (98%)
- Blue (79%)



- Red (79%)
- Yellow (98%)
- Blue (96%)



- Cyan (17%)
- Magenta (0%)
- Yellow (19%)
- Black (2%)




- Cyan (19%)
- Magenta (2%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9009, 0.3134, 0.3814 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 85.9009, 0.3134, 0.3814 by changing the saturation by 10% instead.




 85.9009, 0.3134,  
0.3814

 85.9009, 0.3134,  
0.3814

514.6044, 0.3135,  
0.3571

 64.5860, 0.3133,  
0.3870


141.6312, 0.3135,  
0.3729

 47.1255, 0.3131,  
0.3939


176.8154, 0.3135,  
0.3697

 33.1349, 0.3127,  
0.4026


217.3915, 0.3136,  
0.3668

 22.2298, 0.3121,  
0.4140

263.7439, 0.3136,  
0.3644

 14.0258, 0.3111,  
0.4296

316.2570, 0.3135,  
0.3622

 8.1386, 0.3091,  
0.4520


375.3152, 0.3135,


 4.1838, 0.3049,


0.3603

0.4866


441.3028, 0.3135,  
0.3586


 1.7769, 0.3031,  
0.5628

 0.4727, 0.0000,  
1.0000


 85.9009, 0.3134,  
0.3814


 85.9009, 0.3134,  
0.3814


 81.8157, 0.3134,  
0.4133


 90.6422, 0.3131,  
0.3526

 78.3472, 0.3130,  
0.4474

 96.0551, 0.3127,  
0.3271

 75.4686, 0.3122,  
0.4827

 96.8497, 0.3129,  
0.3242

 73.1470, 0.3109,  
0.5169

■ 71.3459, 0.3090,  
0.5477

■ 70.0247, 0.3068,  
0.5723

■ 69.1366, 0.3044,  
0.5891

■ 68.6210, 0.3021,  
0.5979

■ 68.5920, 0.3020,  
0.5984

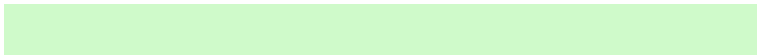
# Harmonies

## Analogous

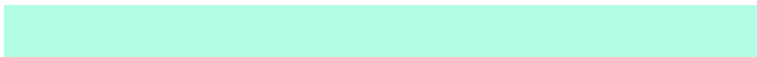
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9009, 0.3459, 0.3885



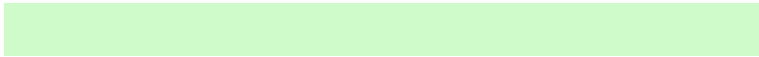
85.9009, 0.3134, 0.3814



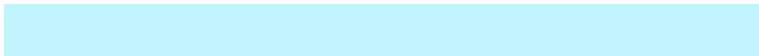
85.9009, 0.2818, 0.3576

# Triad

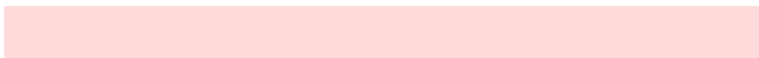
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9009, 0.3134, 0.3814



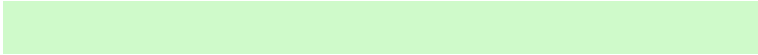
85.9009, 0.2573, 0.2790



85.9009, 0.3689, 0.3283

# Complementary

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



85.9009, 0.3134, 0.3814



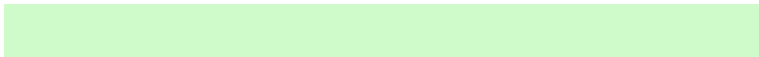
68.5516, 0.3113, 0.2807

# 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.



85.9009, 0.3428, 0.3024



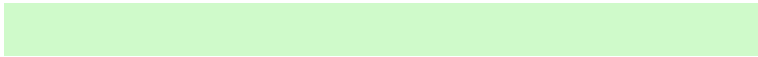
85.9009, 0.3134, 0.3814



85.9009, 0.2782, 0.2746

# Square

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



85.9009, 0.3134, 0.3814



85.9009, 0.2505, 0.2970



85.9009, 0.3092, 0.2832

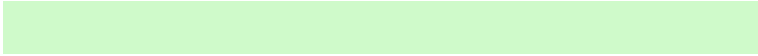


85.9009, 0.3791, 0.3556



# Rectangle

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



85.9009, 0.3134, 0.3814



85.9009, 0.2654, 0.3365



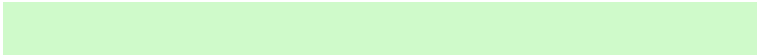
85.9009, 0.3092, 0.2832



85.9009, 0.3617, 0.3192

# Sweetspot

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



85.9046, 0.3134, 0.3814



96.5477, 0.3130, 0.3441



89.5293, 0.3427, 0.3717



20.5881, 0.3130, 0.3458



0.0000, 0.0000, 0.0000

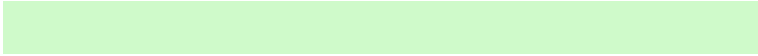


21.4041, 0.3127, 0.3290

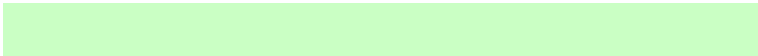


# Same Dimension

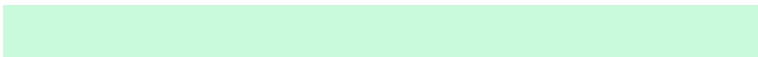
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9046, 0.3134, 0.3814



88.1476, 0.3134, 0.3933



86.1155, 0.2999, 0.3611



19.3962, 0.3131, 0.3534



36.4127, 0.3025, 0.5980



3.4003, 0.3075, 0.5941



# Inverse Universe

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



68.5516, 0.3113, 0.2807



66.9706, 0.3108, 0.2708



68.3701, 0.3282, 0.2989



17.4267, 0.3121, 0.3055



12.0874, 0.2946, 0.1397

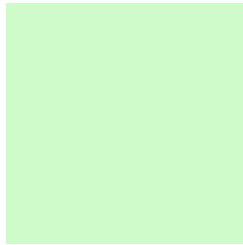


1.1453, 0.2979, 0.1415



# Previews

## White Background



This preview shows how the Yxy color 85.9009, 0.3134, 0.3814 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 85.9009, 0.3134, 0.3814 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

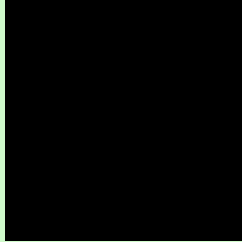
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

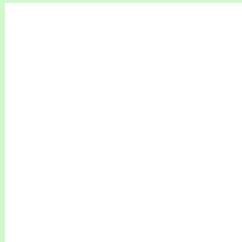
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.9009, 0.3134, 0.3814**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9009, 0.3134, 0.3814.

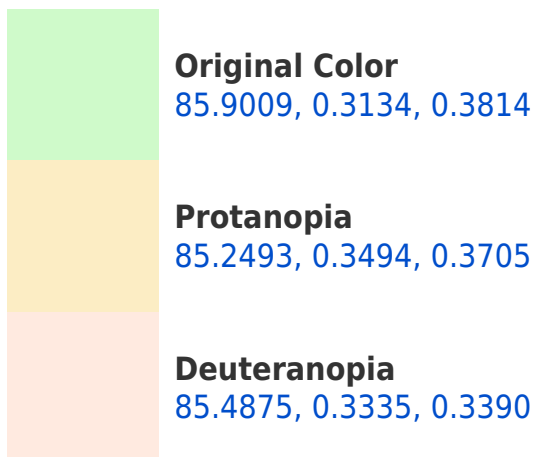


This preview shows how white text looks on a background with the Yxy color 85.9009, 0.3134, 0.3814.

# 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





## Tritanopia

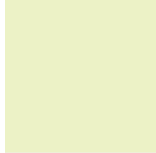
85.8186, 0.2931, 0.3147

# Trichromacy



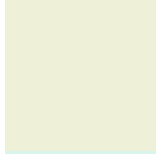
## Original Color

85.9009, 0.3134, 0.3814



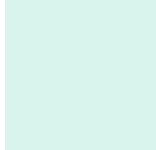
## Protanomaly

85.4143, 0.3359, 0.3749



## Deuteranomaly

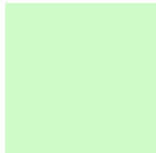
85.4552, 0.3263, 0.3537



## Tritanomaly

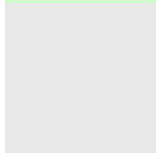
85.5092, 0.3003, 0.3374

# Monochromacy



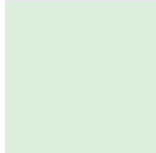
## Original Color

85.9009, 0.3134, 0.3814



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.6414, 0.3131, 0.3481

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9009, 0.3134, 0.3814 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(207, 250, 202)` looks like.

```
.text, #text, p{  
    color:rgb(207, 250, 202)  
}
```

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(207, 250, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 250, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9009, 0.3134, 0.3814 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(207, 250, 202) }
```

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

```
.border{ border-color:rgb(207, 250, 202) }
```

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

Here you see how a box with a 4 pixel rgb(207, 250, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 250, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 250, 202);  
box-shadow:4px 4px 4px 4px rgb(207, 250,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9009, 0.3134, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 250, 202) }
```

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

```
.background{ background-color: rgb(207,  
250, 202) }
```

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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