

# Converting Colors

Yxy(85.4277, 0.3132, 0.4141)

Have a look what the booklet for  
Yxy(85.4277, 0.3132, 0.4141)  
contains.

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# Color

**Yxy(85.5067, 0.3135, 0.4140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCFFB4
RGB	188, 255, 180
RGB Percent	74%, 100%, 71%
CMY	0.2625, 0.0000, 0.2940
CMYK	0.26, 0.00, 0.29, 0.00
HSL	114°, 100%, 85%
HSV	114°, 29%, 100%
XYZ	64.7496, 85.5067, 56.2816
YIQ	226.4170, -15.8570, -37.5290

# Conversions

## Conversions Part 2

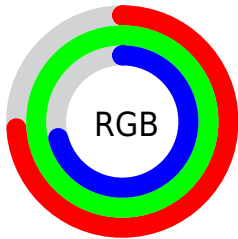
Format	Color
<a href="#">RYB</a>	<a href="#">180, 255, 247</a>
Decimal	<a href="#">12386228</a>
CIELab	<a href="#">94.10, -34.62, 29.32</a>
CIElCh	<a href="#">94, 45.371, 139.741</a>
Yxy	<a href="#">85.5067, 0.3135, 0.4140</a>
Android (android.graphics.Color)	<a href="#">4290576308 (0xFFBCFFB4)</a>
YUV	<a href="#">226.4170, -22.8836, -33.6917</a>
Hunter-Lab	<a href="#">92.4698, -36.8321, 28.6421</a>

# Details

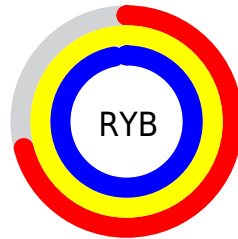
The Yxy color **85.5067, 0.3135, 0.4140** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.6360, 0.3099, 0.2542**, and the grayscale version is **76.5599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9886, 0.3175, 0.3477**, and **46.9070, 0.3121, 0.4345** is the 20% darker color. If you saturate the color by 10%, you get **81.8967, 0.3131, 0.4483**, and if you desaturate by 10%, it is **89.7712, 0.3135, 0.3821**.

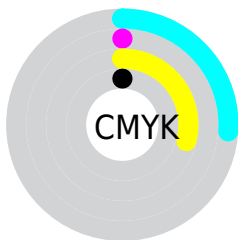
# Distribution



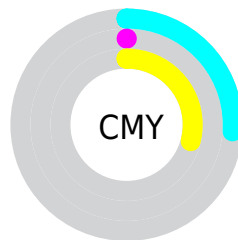
- Red (74%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (97%)



- Cyan (26%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5067, 0.3135, 0.4140 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 85.5067, 0.3135, 0.4140 by changing the saturation by 10% instead.




 85.5067, 0.3135,  
0.4140

 85.5067, 0.3135,  
0.4140


513.3032, 0.3143,  
0.3739

 64.2601, 0.3130,  
0.4233


 141.0809, 0.3140,  
0.4000

 46.8614, 0.3123,  
0.4349


176.1773, 0.3141,  
0.3945

 32.9261, 0.3112,  
0.4496


216.6591, 0.3142,  
0.3899

 22.0698, 0.3093,  
0.4689

262.9108, 0.3142,  
0.3858

 13.9082, 0.3060,  
0.4952

315.3166, 0.3143,  
0.3823

 8.0569, 0.2999,  
0.5329


374.2610, 0.3143,


 4.1314, 0.2871,

0.3791

0.5906

440.1284, 0.3143,  
0.3764

 1.7473, 0.2676,  
0.7324


 0.4540, 0.0000,  
1.0000


 85.5067, 0.3135,  
0.4140


 85.5067, 0.3135,  
0.4140

 81.8967, 0.3131,  
0.4483


 89.7712, 0.3135,  
0.3821

 78.8986, 0.3123,  
0.4835

 94.7089, 0.3132,  
0.3532

 76.4813, 0.3110,  
0.5177

99.9952, 0.3127,  
0.3290

 74.6070, 0.3091,  
0.5483

■ 73.2331, 0.3069,  
0.5728

■ 72.3105, 0.3044,  
0.5894

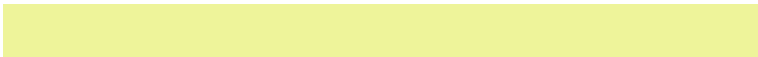
■ 71.7755, 0.3021,  
0.5980

■ 71.7529, 0.3020,  
0.5984

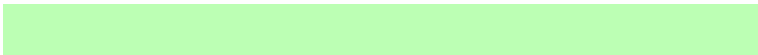
# Harmonies

## Analogous

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



85.5067, 0.3637, 0.4223



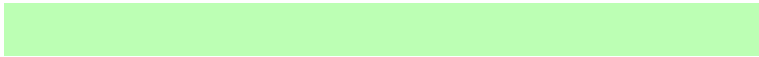
85.5067, 0.3135, 0.4140



85.5067, 0.2654, 0.3756

# Triad

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



85.5067, 0.3135, 0.4140



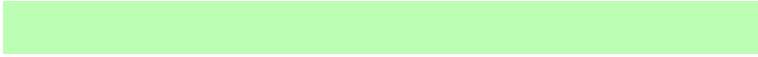
85.5067, 0.2283, 0.2529



85.5067, 0.4001, 0.3250

# Complementary

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



85.5067, 0.3135, 0.4140



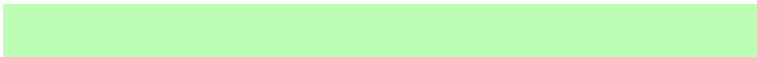
59.6360, 0.3099, 0.2542

# 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.



85.5067, 0.3578, 0.2875



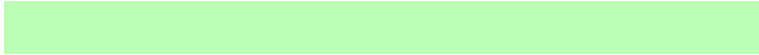
85.5067, 0.3135, 0.4140



85.5067, 0.2584, 0.2471

# Square

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



85.5067, 0.3135, 0.4140



85.5067, 0.2190, 0.2790



85.5067, 0.3050, 0.2598

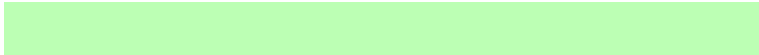


85.5067, 0.4163, 0.3659



# Rectangle

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



85.5067, 0.3135, 0.4140



85.5067, 0.2408, 0.3410



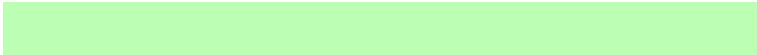
85.5067, 0.3050, 0.2598



85.5067, 0.3883, 0.3118

# Sweetspot

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



85.5103, 0.3135, 0.4140



94.9281, 0.3132, 0.3521



90.6158, 0.3596, 0.3949



20.1546, 0.3132, 0.3561



0.0000, 0.0000, 0.0000

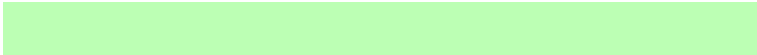


21.4041, 0.3127, 0.3290

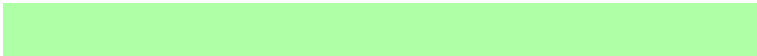


# Same Dimension

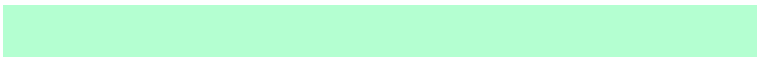
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5103, 0.3135, 0.4140



83.4151, 0.3134, 0.4330



85.8125, 0.2935, 0.3812



20.2613, 0.3132, 0.3535



37.5249, 0.3025, 0.5980



3.6828, 0.3073, 0.5942



# Inverse Universe

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



59.6360, 0.3099, 0.2542



53.8914, 0.3091, 0.2399



59.4144, 0.3387, 0.2821



18.1956, 0.3121, 0.3055



12.4015, 0.2940, 0.1393

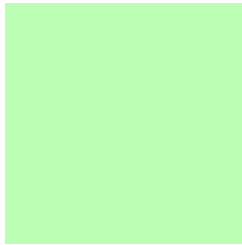


1.2346, 0.2972, 0.1411



# Previews

## White Background



This preview shows how the Yxy color 85.5067, 0.3135, 0.4140 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 85.5067, 0.3135, 0.4140 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

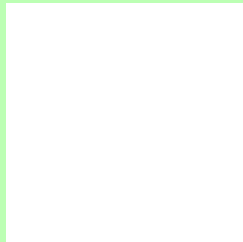
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.5067, 0.3135, 0.4140**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.5067, 0.3135, 0.4140.

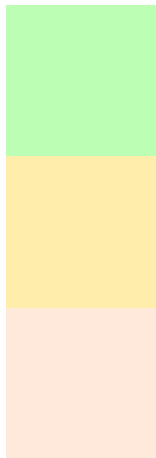


This preview shows how white text looks on a background with the Yxy color 85.5067, 0.3135, 0.4140.

# 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

85.5067, 0.3135, 0.4140

### Protanopia

84.8069, 0.3673, 0.3944

### Deuteranopia

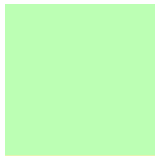
84.5998, 0.3377, 0.3440



## Tritanopia

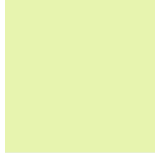
85.1713, 0.2883, 0.3155

# Trichromacy



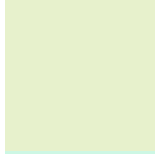
## Original Color

85.5067, 0.3135, 0.4140



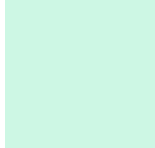
## Protanomaly

84.7854, 0.3463, 0.4020



## Deuteranomaly

84.2592, 0.3289, 0.3680



## Tritanomaly

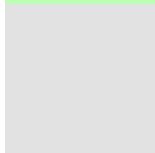
85.1021, 0.2974, 0.3494

# Monochromacy



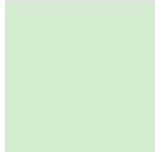
## Original Color

85.5067, 0.3135, 0.4140



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.1689, 0.3133, 0.3597

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5067, 0.3135, 0.4140 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(188, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 180)  
}
```

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(188, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 85.5067, 0.3135, 0.4140 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(188, 255, 180) }
```

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

```
.border{ border-color:rgb(188, 255, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.5067, 0.3135, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 180) }
```

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

```
.background{ background-color: rgb(188,  
255, 180) }
```

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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