

# Converting Colors

$Yxy(85.5873, 0.3029, 0.3646)$

Have a look what the booklet for  
Yxy(85.5873, 0.3029, 0.3646)  
contains.

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# Color

**Yxy(85.4057, 0.3030, 0.3650)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CBF9D8
RGB	203, 249, 216
RGB Percent	80%, 98%, 85%
CMY	0.2038, 0.0235, 0.1531
CMYK	0.18, 0.00, 0.13, 0.02
HSL	137°, 79%, 89%
HSV	137°, 18%, 98%
XYZ	70.8984, 85.4057, 77.6841
YIQ	231.4840, -16.8230, -20.0150

# Conversions

## Conversions Part 2

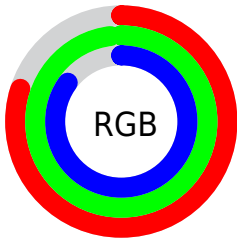
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 239, 249
Decimal	13367768
CIE <sub>Lab</sub>	94.06, -20.93, 11.04
CIE <sub>LCh</sub>	94, 23.664, 152.184
Yxy	85.4057, 0.3030, 0.3650
Android (android.graphics.Color)	4291557848 (0xFFC9F9D8)
YUV	231.4840, -7.6336, -24.9805
Hunter-Lab	92.4152, -24.7863, 14.8516

# Details

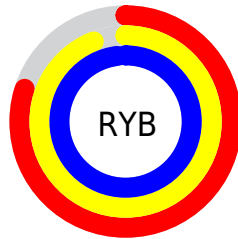
The Yxy color **85.4057, 0.3030, 0.3650** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.9228, 0.3241, 0.2955**, and the grayscale version is **80.3606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5684, 0.3005, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **81.3135, 0.2980, 0.3879**, and if you desaturate by 10%, it is **90.1674, 0.3082, 0.3445**.

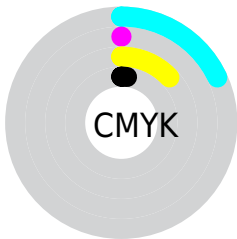
# Distribution



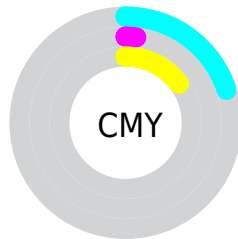
- Red (80%)
- Green (98%)
- Blue (85%)



- Red (80%)
- Yellow (94%)
- Blue (98%)



- Cyan (18%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)




- Cyan (20%)
- Magenta (2%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4057, 0.3030, 0.3650 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 85.4057, 0.3030, 0.3650 by changing the saturation by 10% instead.



 85.4057, 0.3030,  
0.3650

 85.4057, 0.3030,  
0.3650


512.9696, 0.3076,  
0.3484

 64.1767, 0.3019,  
0.3688


140.9399, 0.3046,  
0.3592

 46.7938, 0.3006,  
0.3735


176.0138, 0.3052,  
0.3570

 32.8726, 0.2989,  
0.3794


216.4714, 0.3058,  
0.3551

 22.0289, 0.2967,  
0.3872

262.6972, 0.3062,  
0.3534

 13.8781, 0.2935,  
0.3977

315.0755, 0.3066,  
0.3519

 8.0360, 0.2890,  
0.4129

373.9907, 0.3070,

 4.1180, 0.2816,

0.3506

439.8273, 0.3073,  
0.3494

0.4366

1.7398, 0.2680,  
0.4784

0.4492, 0.0000,  
1.0000

85.4057, 0.3030,  
0.3650

85.4057, 0.3030,  
0.3650

81.3135, 0.2980,  
0.3879

90.1674, 0.3082,  
0.3445


77.8500, 0.2934,  
0.4129


95.6157, 0.3135,  
0.3264

74.9865, 0.2895,  
0.4397


96.2341, 0.3130,  
0.3233


72.6877, 0.2867,  
0.4675

 70.9146, 0.2853,  
0.4952

 69.6231, 0.2855,  
0.5214

 68.7612, 0.2872,  
0.5449

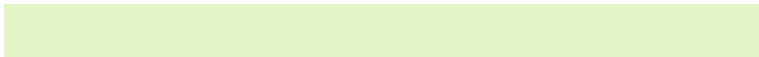
 68.2570, 0.2903,  
0.5643

 68.1969, 0.2908,  
0.5669

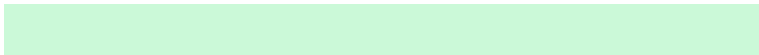
# Harmonies

## Analogous

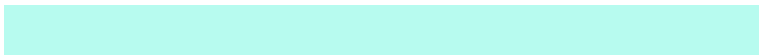
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4057, 0.3301, 0.3765



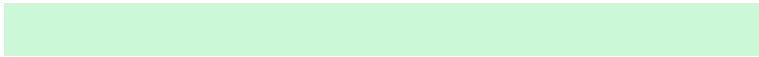
85.4057, 0.3030, 0.3650



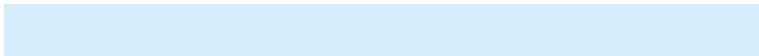
85.4057, 0.2792, 0.3425

# Triad

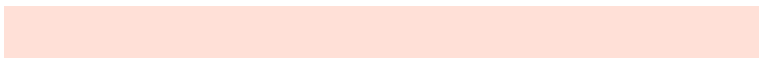
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4057, 0.3030, 0.3650



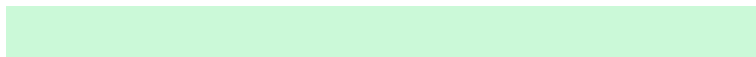
85.4057, 0.2728, 0.2853



85.4057, 0.3633, 0.3376

# Complementary

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



85.4057, 0.3030, 0.3650



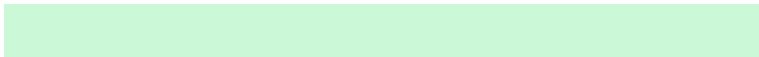
68.9228, 0.3241, 0.2955

# 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.



85.4057, 0.3466, 0.3151



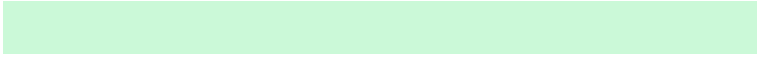
85.4057, 0.3030, 0.3650



85.4057, 0.2938, 0.2858

# Square

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



85.4057, 0.3030, 0.3650



85.4057, 0.2623, 0.2962



85.4057, 0.3208, 0.2966

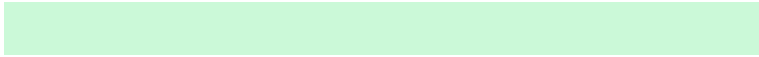


85.4057, 0.3656, 0.3590



# Rectangle

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



85.4057, 0.3030, 0.3650



85.4057, 0.2682, 0.3252



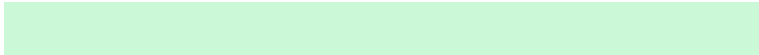
85.4057, 0.3208, 0.2966



85.4057, 0.3591, 0.3300

# Sweetspot

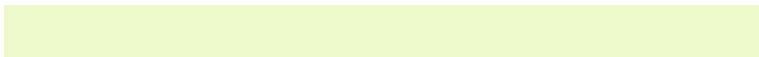
The Sweet Spot groups the original color and five complimentary colors.



85.4093, 0.3030, 0.3650



96.5247, 0.3095, 0.3398



90.0271, 0.3323, 0.3763



20.5827, 0.3092, 0.3411



0.0000, 0.0000, 0.0000

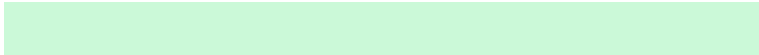


21.4041, 0.3127, 0.3290

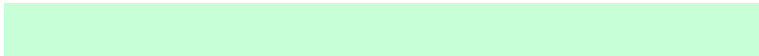


# Same Dimension

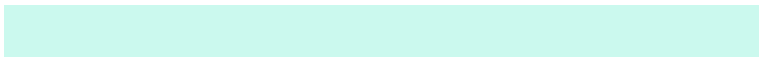
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4093, 0.3030, 0.3650



88.5384, 0.3012, 0.3729



86.6428, 0.2906, 0.3404



19.3895, 0.3077, 0.3465



36.5241, 0.2900, 0.5642



3.4000, 0.2836, 0.5411



# Inverse Universe

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



68.9228, 0.3241, 0.2955



68.3057, 0.3266, 0.2888



67.7050, 0.3406, 0.3180



17.4364, 0.3181, 0.3121



12.5471, 0.4078, 0.2020

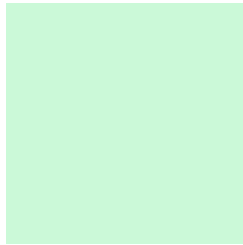


1.1802, 0.3949, 0.1949



# Previews

## White Background



This preview shows how the Yxy color 85.4057, 0.3030, 0.3650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

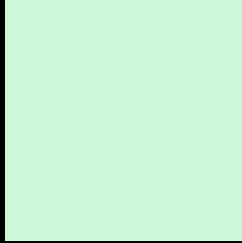
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4057, 0.3030, 0.3650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

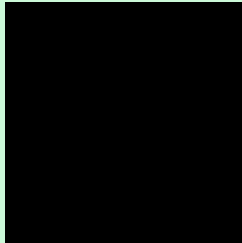
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

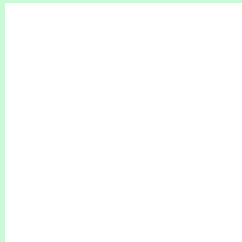
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.4057, 0.3030, 0.3650**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4057, 0.3030, 0.3650.

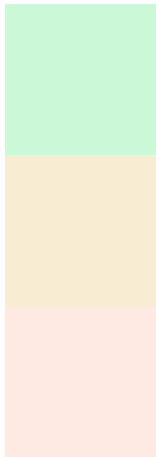


This preview shows how white text looks on a background with the Yxy color 85.4057, 0.3030, 0.3650.

# 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

85.4057, 0.3030, 0.3650

### Protanopia

85.1780, 0.3374, 0.3564

### Deuteranopia

85.0839, 0.3317, 0.3350



## Tritanopia

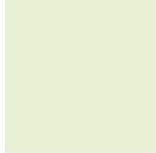
85.1907, 0.2907, 0.3146

# Trichromacy



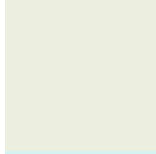
## Original Color

85.4057, 0.3030, 0.3650



## Protanomaly

84.8199, 0.3246, 0.3593



## Deuteranomaly

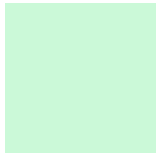
84.8936, 0.3206, 0.3455



## Tritanomaly

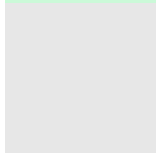
85.1984, 0.2950, 0.3321

# Monochromacy



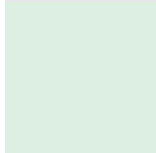
## Original Color

85.4057, 0.3030, 0.3650



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.0122, 0.3088, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4057, 0.3030, 0.3650 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(203, 249, 216)` looks like.

```
.text, #text, p{  
    color:rgb(203, 249, 216)  
}
```

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(203, 249, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 249, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4057, 0.3030, 0.3650 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(203, 249, 216) }
```

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

```
.border{ border-color:rgb(203, 249, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 249, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 249, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 249, 216); box-shadow:4px 4px 4px 4px rgb(203, 249, 216) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4057, 0.3030, 0.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 249, 216) }
```

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

```
.background{ background-color: rgb(203,  
249, 216) }
```

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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