

# Converting Colors

$Yxy(86.0823, 0.2907, 0.3451)$

Have a look what the booklet for  
Yxy(86.0823, 0.2907, 0.3451)  
contains.

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# Color

**Yxy(85.8340, 0.2906, 0.3451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7F9EA
RGB	199, 249, 234
RGB Percent	78%, 98%, 92%
CMY	0.2197, 0.0235, 0.0823
CMYK	0.20, 0.00, 0.06, 0.02
HSL	162°, 81%, 88%
HSV	162°, 20%, 98%
XYZ	72.2786, 85.8340, 90.6095
YIQ	232.3400, -24.9850, -15.2650

# Conversions

## Conversions Part 2

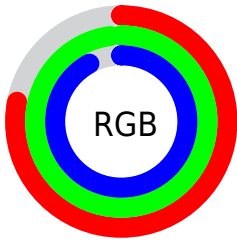
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 228, 249
Decimal	13105642
CIE Lab	94.24, -18.80, 1.95
CIE LCh	94, 18.899, 174.073
Yxy	85.8340, 0.2906, 0.3451
Android (android.graphics.Color)	4291295722 (0xFFC7F9EA)
YUV	232.3400, 0.8184, -29.2392
Hunter-Lab	92.6466, -22.8741, 6.8664

# Details

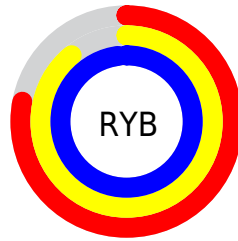
The Yxy color **85.8340, 0.2906, 0.3451** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.8361, 0.3411, 0.3135**, and the grayscale version is **80.9726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8429, 0.2857, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **82.2857, 0.2806, 0.3543**, and if you desaturate by 10%, it is **89.9647, 0.3014, 0.3367**.

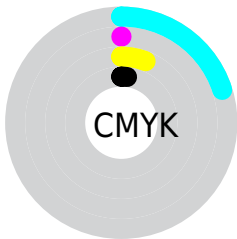
# Distribution



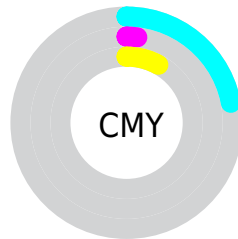
- Red (78%)
- Green (98%)
- Blue (92%)



- Red (78%)
- Yellow (89%)
- Blue (98%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)



- Cyan (22%)
- Magenta (2%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8340, 0.2906, 0.3451 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 85.8340, 0.2906, 0.3451 by changing the saturation by 10% instead.



85.8340, 0.2906,  
0.3451

85.8340, 0.2906,  
0.3451

514.3837, 0.3006,  
0.3378

64.5307, 0.2884,  
0.3467

141.5378, 0.2940,  
0.3426

47.0807, 0.2857,  
0.3487

176.7071, 0.2953,  
0.3416

33.0994, 0.2823,  
0.3512

217.2673, 0.2965,  
0.3408

22.2026, 0.2780,  
0.3545

263.6026, 0.2975,  
0.3400

14.0059, 0.2722,  
0.3588

316.0975, 0.2984,  
0.3394

8.1247, 0.2641,  
0.3649


375.1364, 0.2992,


4.1749, 0.2520,

0.3388


0.3741

441.1036, 0.2999,  
0.3383


 1.7719, 0.2321,  
0.3896


 0.4695, 0.0000,  
0.5561


 85.8340, 0.2906,  
0.3451

 85.8340, 0.2906,  
0.3451


 82.2857, 0.2806,  
0.3543


 89.9647, 0.3014,  
0.3367


 79.2820, 0.2716,  
0.3643


 94.6927, 0.3126,  
0.3291


 76.7967, 0.2639,  
0.3748

 96.2359, 0.3130,  
0.3233

 74.7975, 0.2579,  
0.3859

 73.2483, 0.2538,  
0.3973

 72.1076, 0.2517,  
0.4089

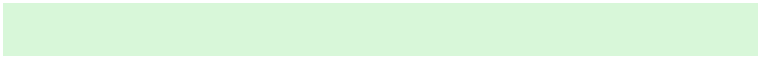
 71.3263, 0.2516,  
0.4204

 70.8263, 0.2532,  
0.4316

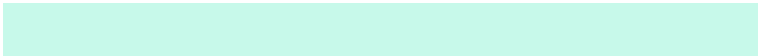
# Harmonies

## Analogous

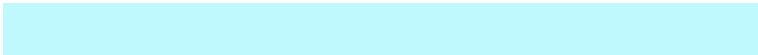
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8340, 0.3110, 0.3609



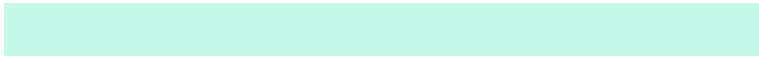
85.8340, 0.2906, 0.3451



85.8340, 0.2764, 0.3249

# Triad

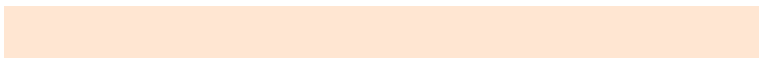
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8340, 0.2906, 0.3451



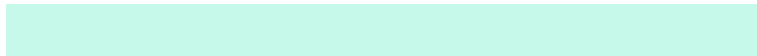
85.8340, 0.2925, 0.2932



85.8340, 0.3555, 0.3490

# Complementary

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



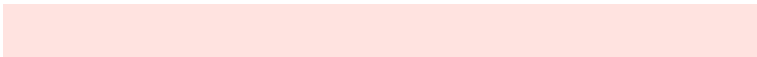
85.8340, 0.2906, 0.3451



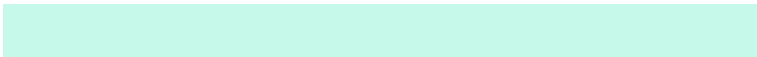
65.8361, 0.3411, 0.3135

# 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.



85.8340, 0.3503, 0.3312



85.8340, 0.2906, 0.3451



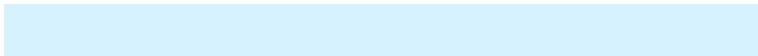
85.8340, 0.3133, 0.2998

# Square

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



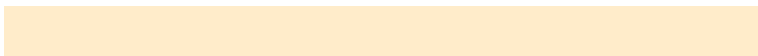
85.8340, 0.2906, 0.3451



85.8340, 0.2775, 0.2955



85.8340, 0.3347, 0.3134



85.8340, 0.3488, 0.3625



# Rectangle

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



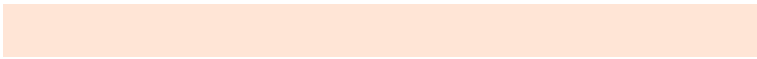
85.8340, 0.2906, 0.3451



85.8340, 0.2721, 0.3123



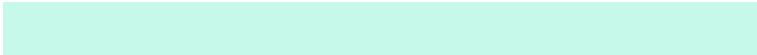
85.8340, 0.3347, 0.3134



85.8340, 0.3551, 0.3434

# Sweetspot

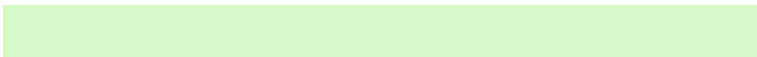
The Sweet Spot groups the original color and five complimentary colors.



85.8376, 0.2906, 0.3451



96.9209, 0.3059, 0.3335



86.1739, 0.3197, 0.3831



20.6764, 0.3052, 0.3340



0.0000, 0.0000, 0.0000

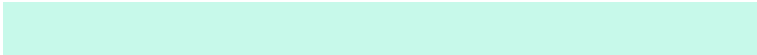


21.4041, 0.3127, 0.3290

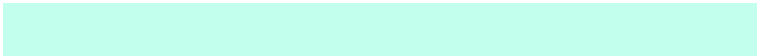


# Same Dimension

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



85.8376, 0.2906, 0.3451



89.0572, 0.2865, 0.3486



80.7153, 0.2819, 0.3182



19.5147, 0.3020, 0.3362



37.9360, 0.2527, 0.4298



3.5322, 0.2489, 0.4162



# Inverse Universe

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



65.8361, 0.3411, 0.3135



64.5153, 0.3482, 0.3103



69.8606, 0.3508, 0.3396



17.3108, 0.3247, 0.3219



11.0715, 0.5767, 0.2951

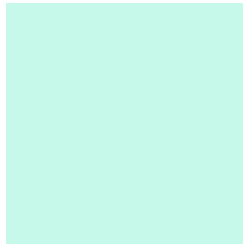


1.0433, 0.5431, 0.2765



# Previews

## White Background



This preview shows how the Yxy color 85.8340, 0.2906, 0.3451 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

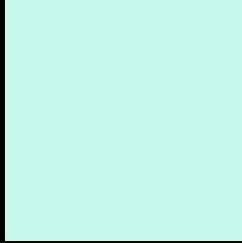
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8340, 0.2906, 0.3451 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

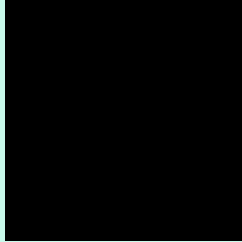
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

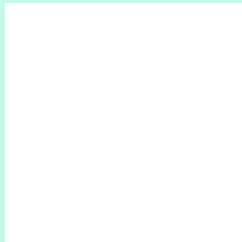
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.8340, 0.2906, 0.3451**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.8340, 0.2906, 0.3451.

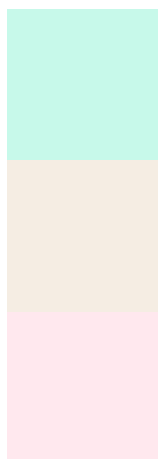


This preview shows how white text looks on a background with the Yxy color 85.8340, 0.2906, 0.3451.

# 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

85.8340, 0.2906, 0.3451

### Protanopia

85.5269, 0.3244, 0.3391

### Deuteranopia

85.1463, 0.3246, 0.3231



## Tritanopia

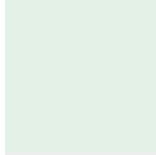
85.4760, 0.2895, 0.3156

# Trichromacy



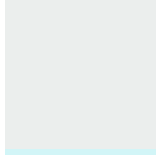
## Original Color

85.8340, 0.2906, 0.3451



## Protanomaly

85.1177, 0.3109, 0.3404



## Deuteranomaly

84.9257, 0.3113, 0.3300



## Tritanomaly

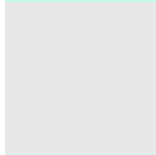
85.7219, 0.2898, 0.3268

# Monochromacy



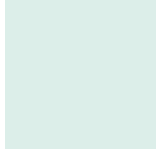
## Original Color

85.8340, 0.2906, 0.3451



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.2479, 0.3040, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.8340, 0.2906, 0.3451 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(199, 249, 234)` looks like.

```
.text, #text, p{  
    color:rgb(199, 249, 234)  
}
```

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(199, 249, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 249, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8340, 0.2906, 0.3451 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(199, 249, 234) }
```

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

```
.border{ border-color:rgb(199, 249, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 249, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 249, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 249, 234);  
box-shadow:4px 4px 4px 4px rgb(199, 249,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8340, 0.2906, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 249, 234) }
```

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

```
.background{ background-color: rgb(199,  
249, 234) }
```

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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