

# Converting Colors

Yxy(85.9033, 0.3297, 0.4160)

Have a look what the booklet for  
Yxy(85.9033, 0.3297, 0.4160)  
contains.

|   |    |
|---|----|
| <b>Yxy(85.9033, 0.3297, 0.4160)</b> ..... | 3  |
| <b>Conversions</b> .....                  | 4  |
| <b>Details</b> .....                      | 6  |
| <b>Harmonies</b> .....                    | 12 |
| <b>Previews</b> .....                     | 24 |
| <b>Color Blindness Simulation</b> .....   | 27 |
| <b>CSS Examples</b> .....                 | 30 |

# Color

**Yxy(85.9033, 0.3297, 0.4160)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | CFFCAD                      |
| RGB         | 207, 252, 173               |
| RGB Percent | 81%, 99%, 68%               |
| CMY         | 0.1882, 0.0117, 0.3217      |
| CMYK        | 0.18, 0.00, 0.31, 0.01      |
| HSL         | 94°, 93%, 83%               |
| HSV         | 94°, 31%, 99%               |
| XYZ         | 68.0825, 85.9033, 52.5125   |
| YIQ         | 229.5390, -1.4610, -34.1090 |

# Conversions

## Conversions Part 2

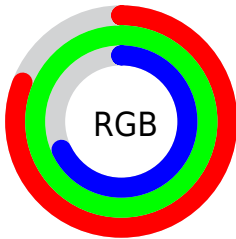
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">173, 252, 218</a>                                |
| Decimal                             | <a href="#">13630637</a>                                     |
| CIELab                              | <a href="#">94.27, -27.93, 33.28</a>                         |
| CIELCh                              | <a href="#">94, 43.449, 130.009</a>                          |
| Yxy                                 | <a href="#">85.9033, 0.3297, 0.4160</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4291820717</a><br>( <a href="#">0xFFCFFCAD</a> ) |
| YUV                                 | <a href="#">229.5390, -27.8737, -19.7667</a>                 |
| Hunter-Lab                          | <a href="#">92.6840, -31.0771, 31.2865</a>                   |

# Details

The Yxy color **85.9033, 0.3297, 0.4160** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.8080, 0.2896, 0.2443**, and the grayscale version is **78.9829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **47.0617, 0.3324, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **83.0478, 0.3340, 0.4470**, and if you desaturate by 10%, it is **89.1382, 0.3246, 0.3861**.

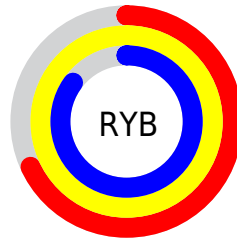
# Distribution



Red (81%)

Green (99%)

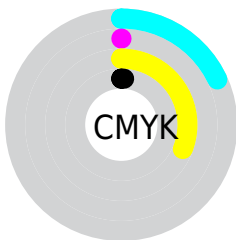
Blue (68%)



Red (68%)

Yellow (99%)

Blue (85%)

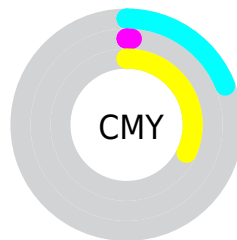


Cyan (18%)

Magenta (0%)

Yellow (31%)

Black (1%)



Cyan (19%)

Magenta (1%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9033, 0.3297, 0.4160 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 85.9033, 0.3297, 0.4160 by changing the saturation by 10% instead.




 85.9033, 0.3297,  
0.4160

 85.9033, 0.3297,  
0.4160


514.6123, 0.3232,  
0.3753

 64.5880, 0.3308,  
0.4253


 141.6345, 0.3277,  
0.4018

 47.1271, 0.3320,  
0.4368

176.8193, 0.3269,  
0.3963

 33.1361, 0.3333,  
0.4514


217.3960, 0.3261,  
0.3916

 22.2308, 0.3344,  
0.4703

263.7490, 0.3254,  
0.3875

 14.0266, 0.3349,  
0.4956

316.2627, 0.3248,  
0.3839

 8.1391, 0.3337,  
0.5311


375.3216, 0.3242,


 4.1841, 0.3294,


0.3807


0.5866


441.3100, 0.3237,  
0.3778


 1.7771, 0.3157,  
0.6843


 0.4728, 0.0000,  
1.0000


 85.9033, 0.3297,  
0.4160


 85.9033, 0.3297,  
0.4160

 83.0478, 0.3340,  
0.4470


 89.1382, 0.3246,  
0.3861


 80.5451, 0.3371,  
0.4781

 92.7555, 0.3191,  
0.3581

 78.3823, 0.3385,  
0.5075

 96.7726, 0.3135,  
0.3323

 76.5413, 0.3381,  
0.5337

 98.1058, 0.3128,  
0.3262

■ 75.0017, 0.3356,  
0.5550

■ 73.7398, 0.3312,  
0.5704

■ 72.8450, 0.3264,  
0.5791

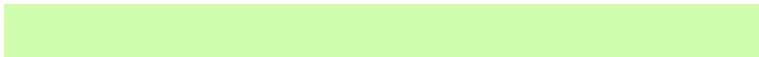
# Harmonies

## Analogous

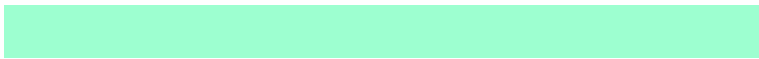
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9033, 0.3755, 0.4145



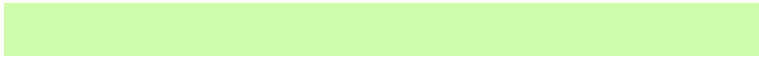
85.9033, 0.3297, 0.4160



85.9033, 0.2815, 0.3877

# Triad

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



85.9033, 0.3297, 0.4160



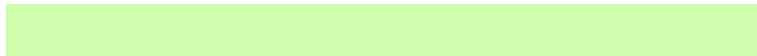
85.9033, 0.2265, 0.2621



85.9033, 0.3853, 0.3130

# Complementary

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



85.9033, 0.3297, 0.4160



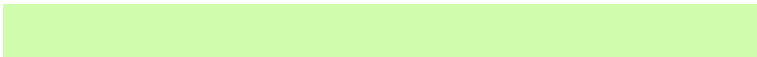
51.8080, 0.2896, 0.2443

# Split Complementary

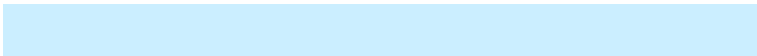
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9033, 0.3398, 0.2792



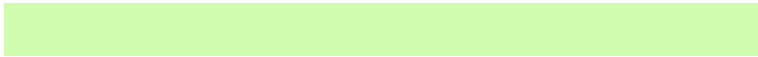
85.9033, 0.3297, 0.4160



85.9033, 0.2492, 0.2501

# Square

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



85.9033, 0.3297, 0.4160



85.9033, 0.2244, 0.2935



85.9033, 0.2897, 0.2568

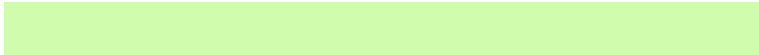


85.9033, 0.4100, 0.3521



# Rectangle

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



85.9033, 0.3297, 0.4160



85.9033, 0.2544, 0.3569



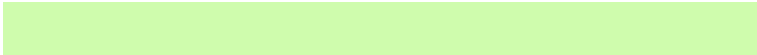
85.9033, 0.2897, 0.2568



85.9033, 0.3717, 0.3008

# Sweetspot

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



85.9070, 0.3297, 0.4160



96.2139, 0.3178, 0.3518



73.7310, 0.3702, 0.3755



20.4695, 0.3186, 0.3556



0.0000, 0.0000, 0.0000

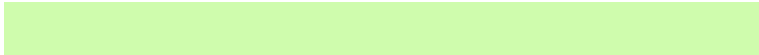


21.4041, 0.3127, 0.3290

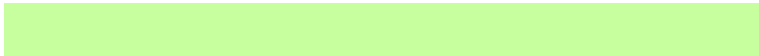


# Same Dimension

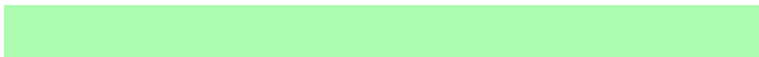
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9070, 0.3297, 0.4160



86.2462, 0.3327, 0.4366



81.7310, 0.3056, 0.4155



19.6745, 0.3181, 0.3531



38.0261, 0.3276, 0.5781



3.5831, 0.3368, 0.5708



# Inverse Universe

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



51.8080, 0.2896, 0.2443



45.8964, 0.2832, 0.2248



57.2728, 0.3205, 0.2555



17.1308, 0.3069, 0.3051



6.8156, 0.2164, 0.0966

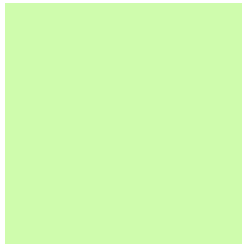


0.6938, 0.2284, 0.1032



# Previews

## White Background



This preview shows how the Yxy color 85.9033, 0.3297, 0.4160 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 85.9033, 0.3297, 0.4160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

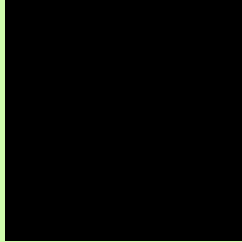
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

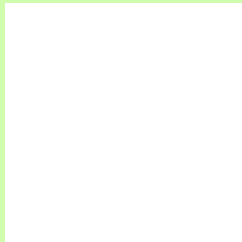
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.9033, 0.3297, 0.4160**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9033, 0.3297, 0.4160.

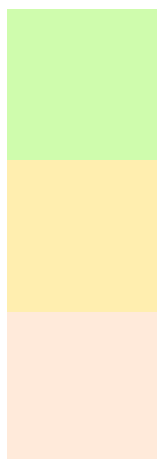


This preview shows how white text looks on a background with the Yxy color 85.9033, 0.3297, 0.4160.

# 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

85.9033, 0.3297, 0.4160

### Protanopia

85.5042, 0.3650, 0.3924

### Deuteranopia

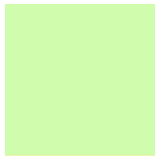
85.1676, 0.3375, 0.3450



## Tritanopia

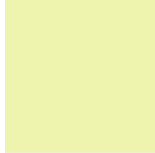
85.5477, 0.2943, 0.3137

# Trichromacy



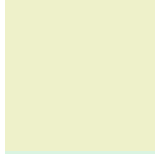
## Original Color

85.9033, 0.3297, 0.4160



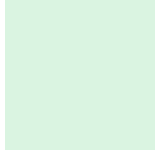
## Protanomaly

85.3343, 0.3521, 0.4009



## Deuteranomaly

85.3520, 0.3350, 0.3695



## Tritanomaly

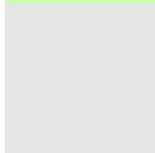
85.0430, 0.3073, 0.3491

# Monochromacy



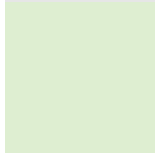
## Original Color

85.9033, 0.3297, 0.4160



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.2821, 0.3199, 0.3601

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9033, 0.3297, 0.4160 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, 252, 173)` looks like.

```
.text, #text, p{  
    color:rgb(207, 252, 173)  
}
```

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, 252, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 252, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9033, 0.3297, 0.4160 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, 252, 173) }
```

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

```
.border{ border-color:rgb(207, 252, 173) }
```

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

Here you see how a box with a 4 pixel rgb(207, 252, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 252, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 252, 173);  
box-shadow:4px 4px 4px 4px rgb(207, 252,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9033, 0.3297, 0.4160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 252, 173) }
```

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

```
.background{ background-color: rgb(207,  
252, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor