

# Converting Colors

$Y_{xy}(141.2258, 0.3270, 0.5035)$

Have a look what the booklet for  
Yxy(141.2258, 0.3270, 0.5035)  
contains.

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# Color

**Yxy(85.4489, 0.3403, 0.4554)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FF8D
RGB	198, 255, 141
RGB Percent	78%, 100%, 55%
CMY	0.2236, 0.0000, 0.4470
CMYK	0.22, 0.00, 0.45, 0.00
HSL	90°, 100%, 78%
HSV	90°, 45%, 100%
XYZ	63.8521, 85.4489, 38.3338
YIQ	224.9610, 2.6220, -47.5380

# Conversions

## Conversions Part 2

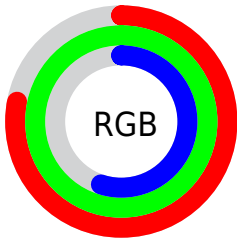
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 255, 198
Decimal	13041549
CIELab	94.08, -36.56, 48.56
CIElCh	94, 60.787, 126.972
Yxy	85.4489, 0.3403, 0.4554
Android (android.graphics.Color)	4291231629 (0xFFC6FF8D)
YUV	224.9610, -41.3928, -23.6448
Hunter-Lab	92.4386, -38.4683, 40.1197

# Details

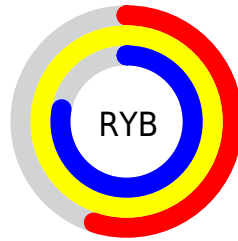
The Yxy color **85.4489, 0.3403, 0.4554** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **38.2878, 0.2699, 0.2031**, and the grayscale version is **75.5622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **46.8435, 0.3432, 0.4855** is the 20% darker color. If you saturate the color by 10%, you get **83.1108, 0.3440, 0.4850**, and if you desaturate by 10%, it is **88.1015, 0.3352, 0.4251**.

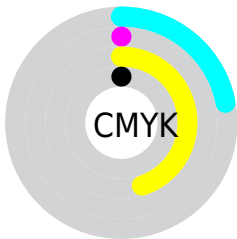
# Distribution



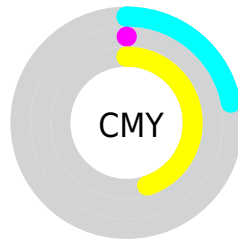
- Red (78%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (78%)



- Cyan (22%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4489, 0.3403, 0.4554 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 85.4489, 0.3403, 0.4554 by changing the saturation by 10% instead.




 85.4489, 0.3403,  
0.4554

 85.4489, 0.3403,  
0.4554

513.1123, 0.3305,  
0.3960

 64.2124, 0.3417,  
0.4689


 141.0002, 0.3376,  
0.4348

 46.8227, 0.3429,  
0.4854


 176.0837, 0.3363,  
0.4268

 32.8955, 0.3438,  
0.5061


216.5517, 0.3351,  
0.4198

 22.0464, 0.3436,  
0.5324

262.7886, 0.3341,  
0.4138

 13.8910, 0.3411,  
0.5665

315.1786, 0.3331,  
0.4085

 8.0449, 0.3335,  
0.6123

374.1064, 0.3321,

 4.1237, 0.3177,

0.4039

0.6823

439.9561, 0.3313,  
0.3997

■ 1.7430, 0.2525,  
0.7475

■ 0.4513, 0.0000,  
1.0000

■ 85.4489, 0.3403,  
0.4554

■ 85.4489, 0.3403,  
0.4554

■ 83.1108, 0.3440,  
0.4850

■ 88.1015, 0.3352,  
0.4251

■ 81.0809, 0.3458,  
0.5124

■ 91.0925, 0.3292,  
0.3953

■ 79.3386, 0.3455,  
0.5360

■ 94.4322, 0.3227,  
0.3670

■ 77.8641, 0.3429,  
0.5545

■ 98.1331, 0.3159,  
0.3406

■ 76.6337, 0.3382,  
0.5672

100.0000, 0.3127,  
0.3290

■ 76.0641, 0.3352,  
0.5720

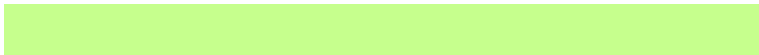
# Harmonies

## Analogous

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



85.4489, 0.4026, 0.4440



85.4489, 0.3403, 0.4554



85.4489, 0.2740, 0.4200

# Triad

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



85.4489, 0.3403, 0.4554



85.4489, 0.1950, 0.2393



85.4489, 0.4090, 0.3005

# Complementary

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



85.4489, 0.3403, 0.4554



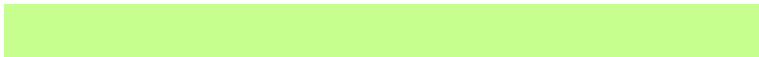
38.2878, 0.2699, 0.2031

# 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.



85.4489, 0.3423, 0.2578



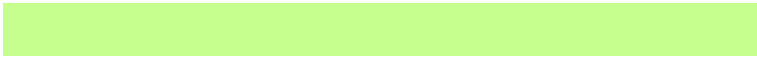
85.4489, 0.3403, 0.4554



85.4489, 0.2218, 0.2228

# Square

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



85.4489, 0.3403, 0.4554



85.4489, 0.1945, 0.2829



85.4489, 0.2734, 0.2302

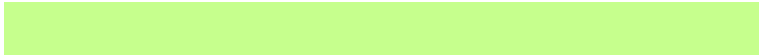


85.4489, 0.4473, 0.3513



# Rectangle

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



85.4489, 0.3403, 0.4554



85.4489, 0.2365, 0.3753



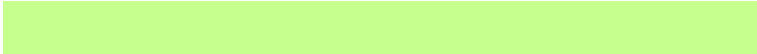
85.4489, 0.2734, 0.2302



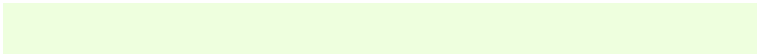
85.4489, 0.3887, 0.2850

# Sweetspot

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



85.4458, 0.3403, 0.4554



95.0348, 0.3215, 0.3624



63.5764, 0.4044, 0.3881



20.1741, 0.3230, 0.3684



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

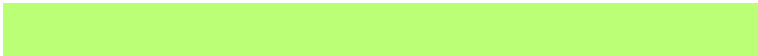


# Same Dimension

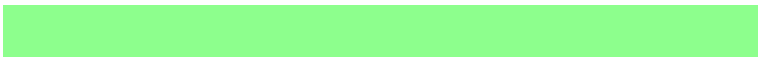
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4458, 0.3403, 0.4554



83.2637, 0.3438, 0.4830



79.1082, 0.3061, 0.4697



20.6140, 0.3192, 0.3530



39.8339, 0.3364, 0.5711



3.9434, 0.3449, 0.5643



# Inverse Universe

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



38.2878, 0.2699, 0.2031



30.4761, 0.2581, 0.1758



47.5357, 0.3179, 0.2196



17.8242, 0.3058, 0.3050



6.2425, 0.2022, 0.0887

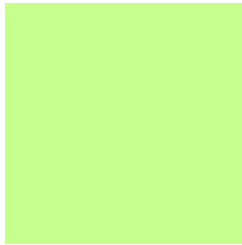


0.6727, 0.2144, 0.0955



# Previews

## White Background



This preview shows how the Yxy color 85.4489, 0.3403, 0.4554 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

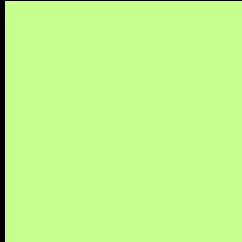
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4489, 0.3403, 0.4554 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

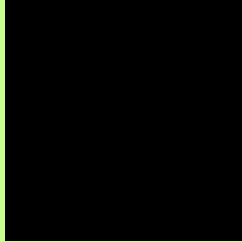
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.4489, 0.3403, 0.4554**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4489, 0.3403, 0.4554.

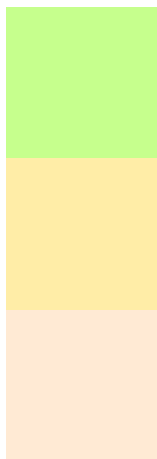


This preview shows how white text looks on a background with the Yxy color 85.4489, 0.3403, 0.4554.

# 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

85.4489, 0.3403, 0.4554

### Protanopia

84.6184, 0.3705, 0.3994

### Deuteranopia

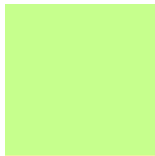
84.8591, 0.3415, 0.3511



## Tritanopia

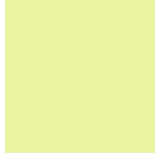
84.9123, 0.2919, 0.3136

# Trichromacy



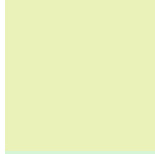
## Original Color

85.4489, 0.3403, 0.4554



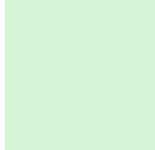
## Protanomaly

84.6624, 0.3587, 0.4191



## Deuteranomaly

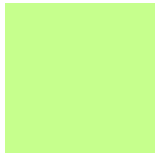
84.5419, 0.3421, 0.3879



## Tritanomaly

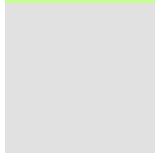
84.3060, 0.3105, 0.3624

# Monochromacy



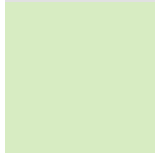
## Original Color

85.4489, 0.3403, 0.4554



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

78.3330, 0.3247, 0.3754

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4489, 0.3403, 0.4554 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(198, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 141)  
}
```

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(198, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4489, 0.3403, 0.4554 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(198, 255, 141) }
```

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

```
.border{ border-color:rgb(198, 255, 141) }
```

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

Here you see how a box with a 4 pixel rgb(198, 255, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4489, 0.3403, 0.4554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 141) }
```

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

```
.background{ background-color: rgb(198,  
255, 141) }
```

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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