

# Converting Colors

$Y_{xy}(100.0000, 0.3344, 0.4674)$

Have a look what the booklet for  
Yxy(100.0000, 0.3344, 0.4674)  
contains.

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# Color

**Yxy(85.7064, 0.3390, 0.4509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7FF91
RGB	199, 255, 145
RGB Percent	78%, 100%, 57%
CMY	0.2194, 0.0000, 0.4314
CMYK	0.22, 0.00, 0.43, 0.00
HSL	91°, 100%, 78%
HSV	91°, 43%, 100%
XYZ	64.4366, 85.7064, 39.9355
YIQ	225.7160, 1.9340, -46.0820

# Conversions

## Conversions Part 2

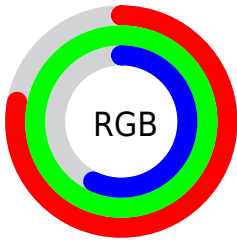
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">145, 255, 201</a>
Decimal	<a href="#">13107089</a>
CIELab	<a href="#">94.19, -35.70, 46.81</a>
CIElCh	<a href="#">94, 58.875, 127.331</a>
Yxy	<a href="#">85.7064, 0.3390, 0.4509</a>
Android (android.graphics.Color)	<a href="#">4291297169 (0xFFC7FF91)</a>
YUV	<a href="#">225.7160, -39.7930, -23.4299</a>
Hunter-Lab	<a href="#">92.5778, -37.7702, 39.2284</a>

# Details

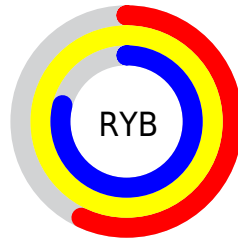
The Yxy color **85.7064, 0.3390, 0.4509** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.8798, 0.2726, 0.2081**, and the grayscale version is **76.1398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **47.0005, 0.3418, 0.4801** is the 20% darker color. If you saturate the color by 10%, you get **83.3102, 0.3428, 0.4808**, and if you desaturate by 10%, it is **88.4377, 0.3339, 0.4205**.

# Distribution



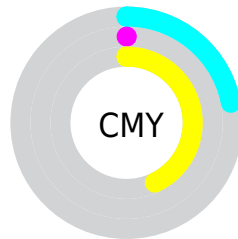
- Red (78%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (79%)



- Cyan (22%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7064, 0.3390, 0.4509 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 85.7064, 0.3390, 0.4509 by changing the saturation by 10% instead.




 85.7064, 0.3390,  
0.4509

 85.7064, 0.3390,  
0.4509


513.9626, 0.3296,  
0.3936

 64.4252, 0.3404,  
0.4639


 141.3597, 0.3363,  
0.4310

 46.9952, 0.3417,  
0.4799


 176.5006, 0.3351,  
0.4233

 33.0318, 0.3426,  
0.4999


217.0302, 0.3340,  
0.4166

 22.1508, 0.3427,  
0.5255

263.3329, 0.3330,  
0.4108

 13.9678, 0.3406,  
0.5588

315.7931, 0.3320,  
0.4057

 8.0983, 0.3337,  
0.6032


374.7952, 0.3311,


 4.1579, 0.3223,


0.4012


0.6777


440.7236, 0.3303,  
0.3972

 1.7623, 0.2606,  
0.7394


 0.4635, 0.0000,  
1.0000

 85.7064, 0.3390,  
0.4509


 85.7064, 0.3390,  
0.4509

 83.3102, 0.3428,  
0.4808


 88.4377, 0.3339,  
0.4205

 81.2223, 0.3448,  
0.5088

 91.5074, 0.3279,  
0.3909

 79.4290, 0.3447,  
0.5333

 94.9327, 0.3214,  
0.3627

 77.9107, 0.3424,  
0.5527

 98.7263, 0.3148,  
0.3367

■ 76.6444, 0.3380,  
0.5664

99.9948, 0.3127,  
0.3290

■ 75.8996, 0.3341,  
0.5729

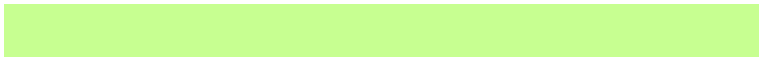
# Harmonies

## Analogous

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



85.7064, 0.3995, 0.4409



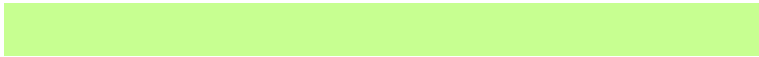
85.7064, 0.3390, 0.4509



85.7064, 0.2747, 0.4160

# Triad

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



85.7064, 0.3390, 0.4509



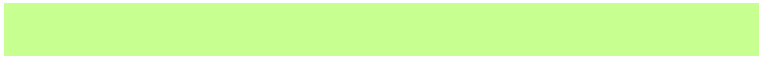
85.7064, 0.1984, 0.2418



85.7064, 0.4065, 0.3021

# Complementary

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



85.7064, 0.3390, 0.4509



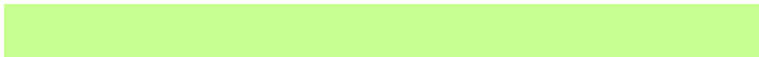
39.8798, 0.2726, 0.2081

# 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.



85.7064, 0.3423, 0.2602



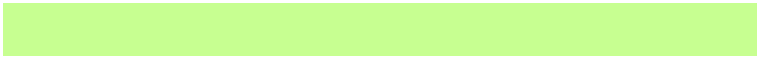
85.7064, 0.3390, 0.4509



85.7064, 0.2249, 0.2258

# Square

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



85.7064, 0.3390, 0.4509



85.7064, 0.1977, 0.2840



85.7064, 0.2754, 0.2331

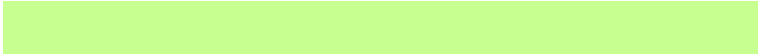


85.7064, 0.4432, 0.3517



# Rectangle

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



85.7064, 0.3390, 0.4509



85.7064, 0.2384, 0.3729



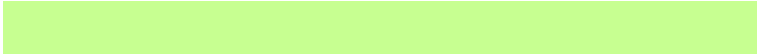
85.7064, 0.2754, 0.2331



85.7064, 0.3870, 0.2869

# Sweetspot

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



85.7101, 0.3390, 0.4509



94.9879, 0.3214, 0.3624



64.6107, 0.4004, 0.3861



20.1626, 0.3228, 0.3684



0.0000, 0.0000, 0.0000

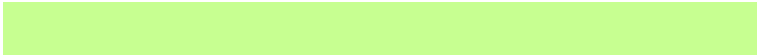


21.4041, 0.3127, 0.3290

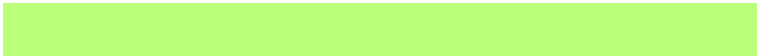


# Same Dimension

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



85.7101, 0.3390, 0.4509



83.5724, 0.3424, 0.4775



79.5795, 0.3064, 0.4640



20.6064, 0.3190, 0.3530



39.7504, 0.3353, 0.5720



3.9352, 0.3439, 0.5652



# Inverse Universe

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



39.8798, 0.2726, 0.2081



32.1623, 0.2616, 0.1819



48.7301, 0.3177, 0.2230



17.8317, 0.3059, 0.3050



6.3277, 0.2038, 0.0896

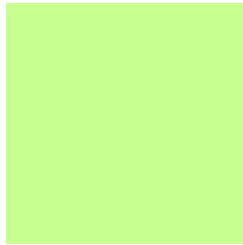


0.6811, 0.2159, 0.0963



# Previews

## White Background



This preview shows how the Yxy color 85.7064, 0.3390, 0.4509 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

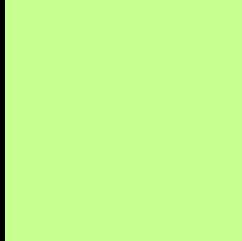
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.7064, 0.3390, 0.4509 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

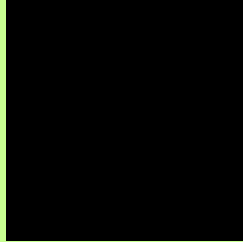
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

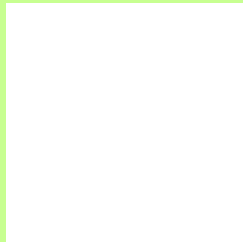
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.7064, 0.3390, 0.4509**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.7064, 0.3390, 0.4509.

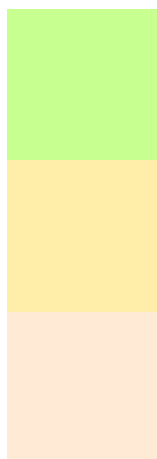


This preview shows how white text looks on a background with the Yxy color 85.7064, 0.3390, 0.4509.

# 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

85.7064, 0.3390, 0.4509

### Protanopia

85.2736, 0.3689, 0.3983

### Deuteranopia

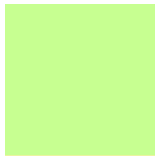
84.9607, 0.3402, 0.3490



## Tritanopia

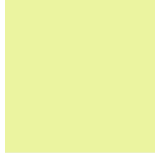
85.6602, 0.2925, 0.3147

# Trichromacy



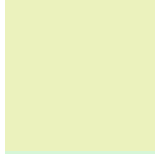
## Original Color

85.7064, 0.3390, 0.4509



## Protanomaly

84.9016, 0.3582, 0.4169



## Deuteranomaly

84.8406, 0.3409, 0.3846



## Tritanomaly

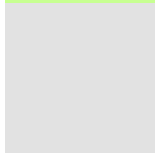
85.1140, 0.3105, 0.3623

# Monochromacy



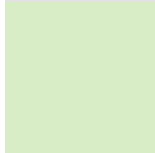
## Original Color

85.7064, 0.3390, 0.4509



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.1985, 0.3234, 0.3729

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.7064, 0.3390, 0.4509 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, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 145)  
}
```

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, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 85.7064, 0.3390, 0.4509 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, 255, 145) }
```

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

```
.border{ border-color:rgb(199, 255, 145) }
```

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

Here you see how a box with a 4 pixel rgb(199, 255, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.7064, 0.3390, 0.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 145) }
```

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

```
.background{ background-color: rgb(199,  
255, 145) }
```

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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