

# Converting Colors

$Y_{xy}(136.9270, 0.3266, 0.5007)$

Have a look what the booklet for  
Yxy(136.9270, 0.3266, 0.5007)  
contains.

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# Color

**Yxy(85.2088, 0.3385, 0.4549)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4FF8E
RGB	196, 255, 142
RGB Percent	77%, 100%, 56%
CMY	0.2314, 0.0000, 0.4431
CMYK	0.23, 0.00, 0.44, 0.00
HSL	91°, 100%, 78%
HSV	91°, 44%, 100%
XYZ	63.4055, 85.2088, 38.6989
YIQ	224.4770, 1.1090, -47.6510

# Conversions

## Conversions Part 2

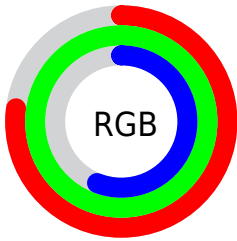
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 255, 201
Decimal	12910478
CIELab	93.97, -37.14, 47.94
CIElCh	94, 60.641, 127.764
Yxy	85.2088, 0.3385, 0.4549
Android (android.graphics.Color)	4291100558 (0xFFC4FF8E)
YUV	224.4770, -40.6612, -24.9743
Hunter-Lab	92.3086, -38.9308, 39.7596

# Details

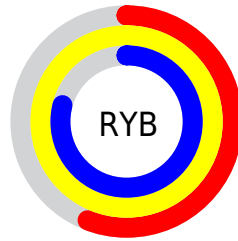
The Yxy color **85.2088, 0.3385, 0.4549** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **38.9894, 0.2724, 0.2050**, and the grayscale version is **75.1941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6220, 0.3465, 0.3861**, and **46.6849, 0.3410, 0.4851** is the 20% darker color. If you saturate the color by 10%, you get **82.8197, 0.3419, 0.4849**, and if you desaturate by 10%, it is **87.9289, 0.3338, 0.4243**.

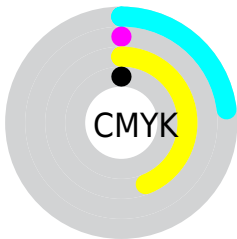
# Distribution



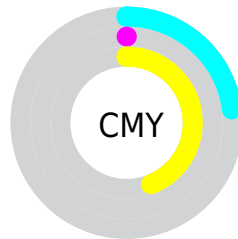
- Red (77%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (79%)



- Cyan (23%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2088, 0.3385, 0.4549 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 85.2088, 0.3385, 0.4549 by changing the saturation by 10% instead.




 85.2088, 0.3385,  
0.4549


 85.2088, 0.3385,  
0.4549


512.3187, 0.3295,  
0.3956

 64.0139, 0.3397,  
0.4684

 140.6649, 0.3360,  
0.4343

 46.6619, 0.3408,  
0.4850


 175.6948, 0.3349,  
0.4263

 32.7685, 0.3414,  
0.5057


216.1053, 0.3338,  
0.4194

 21.9492, 0.3410,  
0.5322

262.2806, 0.3328,  
0.4134

 13.8195, 0.3382,  
0.5666

314.6053, 0.3319,  
0.4081

 7.9953, 0.3302,  
0.6128

373.4636, 0.3310,

 4.0919, 0.3145,

0.4035

439.2399, 0.3302,  
0.3993

0.6855

1.7251, 0.2463,  
0.7537

0.4398, 0.0000,  
1.0000

85.2088, 0.3385,  
0.4549

85.2088, 0.3385,  
0.4549

82.8197, 0.3419,  
0.4849

87.9289, 0.3338,  
0.4243

80.7495, 0.3435,  
0.5128

90.9990, 0.3281,  
0.3944

78.9789, 0.3430,  
0.5369

94.4317, 0.3219,  
0.3660

77.4876, 0.3402,  
0.5560

98.2398, 0.3155,  
0.3396

■ 76.2515, 0.3355,  
0.5691

100.0000, 0.3127,  
0.3290

■ 75.6445, 0.3323,  
0.5744

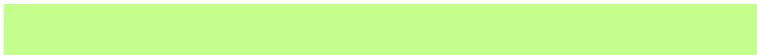
# Harmonies

## Analogous

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



85.2088, 0.4011, 0.4446



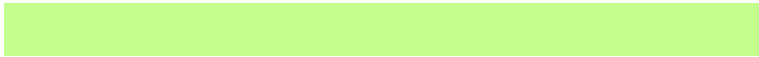
85.2088, 0.3385, 0.4549



85.2088, 0.2724, 0.4183

# Triad

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



85.2088, 0.3385, 0.4549



85.2088, 0.1955, 0.2387



85.2088, 0.4104, 0.3018

# Complementary

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



85.2088, 0.3385, 0.4549



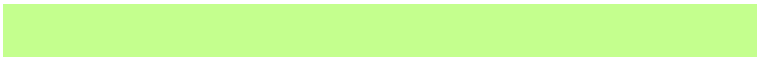
38.9894, 0.2724, 0.2050

# 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.



85.2088, 0.3442, 0.2588



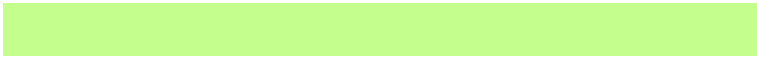
85.2088, 0.3385, 0.4549



85.2088, 0.2230, 0.2229

# Square

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



85.2088, 0.3385, 0.4549



85.2088, 0.1943, 0.2815



85.2088, 0.2751, 0.2308

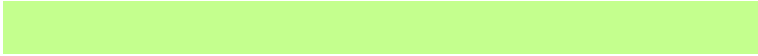


85.2088, 0.4476, 0.3527



# Rectangle

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



85.2088, 0.3385, 0.4549



85.2088, 0.2354, 0.3733



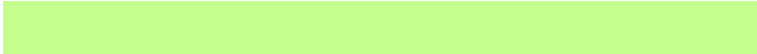
85.2088, 0.2751, 0.2308



85.2088, 0.3903, 0.2862

# Sweetspot

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



85.2075, 0.3385, 0.4549



94.9088, 0.3211, 0.3624



64.7018, 0.4025, 0.3895



20.1431, 0.3225, 0.3685



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

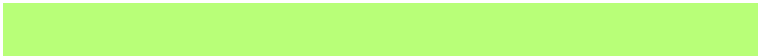


# Same Dimension

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



85.2075, 0.3385, 0.4549



83.1141, 0.3415, 0.4811



79.2820, 0.3053, 0.4660



20.5937, 0.3188, 0.3531



39.6135, 0.3335, 0.5734



3.9216, 0.3421, 0.5666



# Inverse Universe

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



38.9894, 0.2724, 0.2050



31.6202, 0.2619, 0.1797



47.7082, 0.3194, 0.2219



17.8445, 0.3061, 0.3050



6.4754, 0.2065, 0.0911

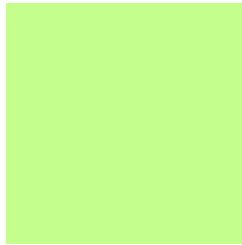


0.6955, 0.2185, 0.0977



# Previews

## White Background



This preview shows how the Yxy color 85.2088, 0.3385, 0.4549 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

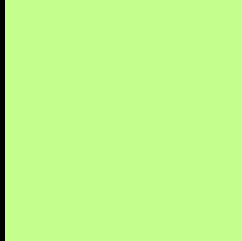
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.2088, 0.3385, 0.4549 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

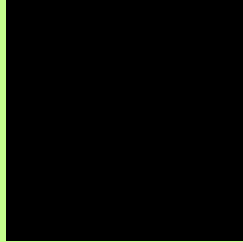
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

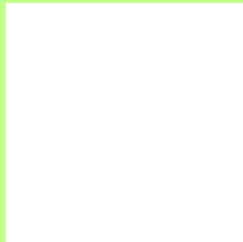
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.2088, 0.3385, 0.4549**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.2088, 0.3385, 0.4549.

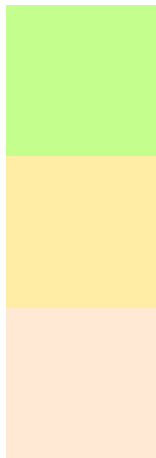


This preview shows how white text looks on a background with the Yxy color 85.2088, 0.3385, 0.4549.

# 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

85.2088, 0.3385, 0.4549

### Protanopia

84.5450, 0.3718, 0.4014

### Deuteranopia

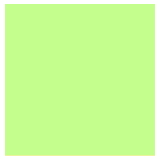
84.2913, 0.3417, 0.3501



## Tritanopia

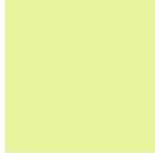
84.6002, 0.2906, 0.3135

# Trichromacy



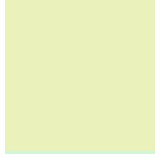
## Original Color

85.2088, 0.3385, 0.4549



## Protanomaly

84.6281, 0.3593, 0.4202



## Deuteranomaly

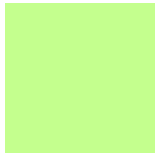
83.9909, 0.3416, 0.3859



## Tritanomaly

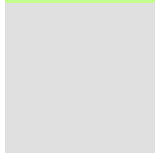
84.0087, 0.3092, 0.3625

# Monochromacy



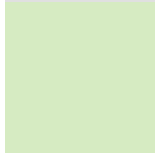
## Original Color

85.2088, 0.3385, 0.4549



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

77.6078, 0.3241, 0.3744

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.2088, 0.3385, 0.4549 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(196, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 142)  
}
```

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(196, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 85.2088, 0.3385, 0.4549 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(196, 255, 142) }
```

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

```
.border{ border-color:rgb(196, 255, 142) }
```

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

Here you see how a box with a 4 pixel rgb(196, 255, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.2088, 0.3385, 0.4549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 142) }
```

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

```
.background{ background-color: rgb(196,  
255, 142) }
```

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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