

# Converting Colors

$Yxy(84.8977, 0.3448, 0.4676)$

Have a look what the booklet for  
Yxy(84.8977, 0.3448, 0.4676)  
contains.

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**Color**

**Yxy(84.8675, 0.3444, 0.4673)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4FF82
RGB	196, 255, 130
RGB Percent	77%, 100%, 51%
CMY	0.2315, 0.0000, 0.4902
CMYK	0.23, 0.00, 0.49, 0.00
HSL	88°, 100%, 75%
HSV	88°, 49%, 100%
XYZ	62.5473, 84.8675, 34.1976
YIQ	223.1090, 4.9610, -51.3830

# Conversions

## Conversions Part 2

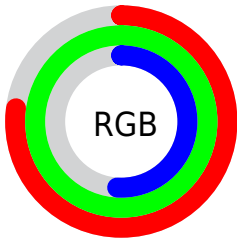
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 255, 189
Decimal	12910466
CIELab	93.83, -38.48, 53.41
CIElCh	94, 65.827, 125.776
Yxy	84.8675, 0.3444, 0.4673
Android (android.graphics.Color)	4291100546 (0xFFC4FF82)
YUV	223.1090, -45.9027, -23.7746
Hunter-Lab	92.1236, -40.0236, 42.4772

# Details

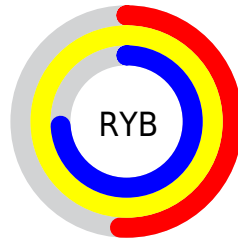
The Yxy color **84.8675, 0.3444, 0.4673** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.0028, 0.2616, 0.1892**, and the grayscale version is **74.1946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **46.4130, 0.3465, 0.4997** is the 20% darker color. If you saturate the color by 10%, you get **82.7109, 0.3478, 0.4956**, and if you desaturate by 10%, it is **87.3143, 0.3394, 0.4375**.

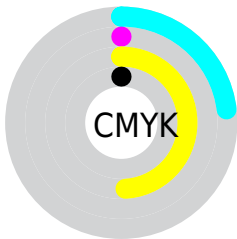
# Distribution



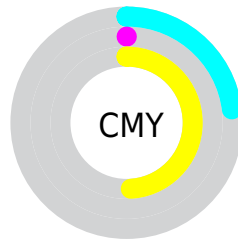
- Red (77%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (74%)



- Cyan (23%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8675, 0.3444, 0.4673 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 84.8675, 0.3444, 0.4673 by changing the saturation by 10% instead.





 84.8675, 0.3444,  
0.4673


 84.8675, 0.3444,  
0.4673


511.1895, 0.3334,  
0.4023

 63.7319, 0.3459,  
0.4820


 140.1880, 0.3414,  
0.4448

 46.4336, 0.3471,  
0.4999


 175.1418, 0.3400,  
0.4360

 32.5881, 0.3476,  
0.5221


 215.4703, 0.3387,  
0.4285

 21.8111, 0.3468,  
0.5500

261.5581, 0.3375,  
0.4219

 13.7182, 0.3428,  
0.5857

313.7896, 0.3363,  
0.4161

 7.9249, 0.3350,  
0.6374


372.5490, 0.3353,

 4.0469, 0.3074,


0.4110

0.6926


438.2209, 0.3343,  
0.4064


 1.6999, 0.2326,  
0.7674


 0.4236, 0.0000,  
1.0000


 84.8675, 0.3444,  
0.4673


 84.8675, 0.3444,  
0.4673


 82.7109, 0.3478,  
0.4956


 87.3143, 0.3394,  
0.4375


 80.8422, 0.3491,  
0.5211

 90.0793, 0.3333,  
0.4077

 79.2393, 0.3481,  
0.5421

 93.1711, 0.3264,  
0.3789

 77.8815, 0.3448,  
0.5578

 96.6024, 0.3192,  
0.3517

■ 76.7399, 0.3397,  
0.5680

100.0000, 0.3127,  
0.3290

■ 76.6369, 0.3391,  
0.5689

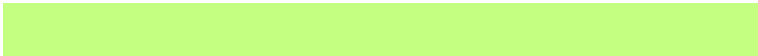
# Harmonies

## Analogous

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



84.8675, 0.4112, 0.4513



84.8675, 0.3444, 0.4673



84.8675, 0.2729, 0.4312

# Triad

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



84.8675, 0.3444, 0.4673



84.8675, 0.1860, 0.2334



84.8675, 0.4147, 0.2958

# Complementary

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



84.8675, 0.3444, 0.4673



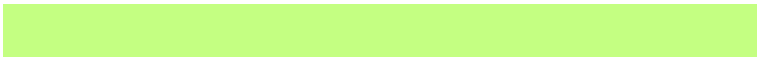
34.0028, 0.2616, 0.1892

# 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.



84.8675, 0.3413, 0.2510



84.8675, 0.3444, 0.4673



84.8675, 0.2133, 0.2153

# Square

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



84.8675, 0.3444, 0.4673



84.8675, 0.1864, 0.2809



84.8675, 0.2673, 0.2224

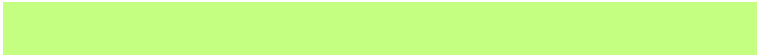


84.8675, 0.4579, 0.3496



# Rectangle

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



84.8675, 0.3444, 0.4673



84.8675, 0.2323, 0.3825



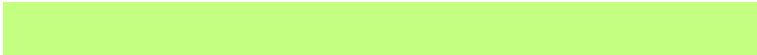
84.8675, 0.2673, 0.2224



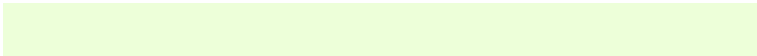
84.8675, 0.3922, 0.2795

# Sweetspot

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



84.8630, 0.3444, 0.4673



94.5107, 0.3236, 0.3677



58.9773, 0.4181, 0.3894



20.0775, 0.3251, 0.3736



0.0000, 0.0000, 0.0000

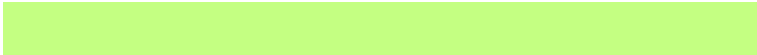


21.4041, 0.3127, 0.3290

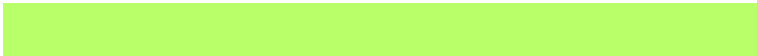


# Same Dimension

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



84.8630, 0.3444, 0.4673



82.7158, 0.3478, 0.4956



78.2123, 0.3075, 0.4844



20.6400, 0.3196, 0.3530



40.1341, 0.3403, 0.5680



3.9728, 0.3487, 0.5614



# Inverse Universe

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



34.0028, 0.2616, 0.1892



26.4143, 0.2479, 0.1602



43.6599, 0.3146, 0.2089



17.7983, 0.3053, 0.3050



5.9617, 0.1968, 0.0858

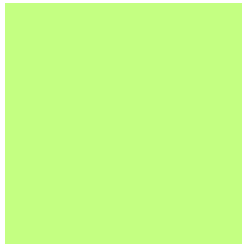


0.6449, 0.2092, 0.0926



# Previews

## White Background



This preview shows how the Yxy color 84.8675, 0.3444, 0.4673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

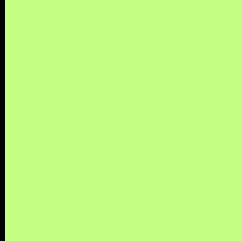
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8675, 0.3444, 0.4673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

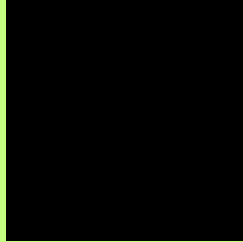
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

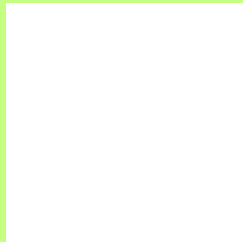
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.8675, 0.3444, 0.4673**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8675, 0.3444, 0.4673.

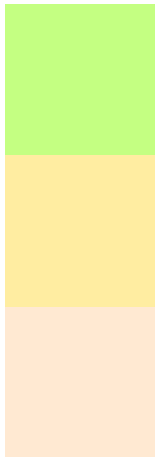


This preview shows how white text looks on a background with the Yxy color 84.8675, 0.3444, 0.4673.

# 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

84.8675, 0.3444, 0.4673

### Protanopia

84.4016, 0.3743, 0.4053

### Deuteranopia

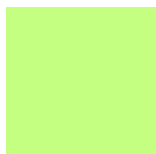
84.1910, 0.3430, 0.3521



## Tritanopia

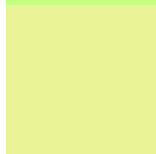
84.6002, 0.2906, 0.3135

# Trichromacy



## Original Color

84.8675, 0.3444, 0.4673



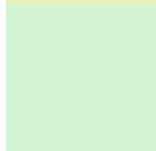
## Protanomaly

84.3958, 0.3634, 0.4272



## Deuteranomaly

83.7392, 0.3454, 0.3923



## Tritanomaly

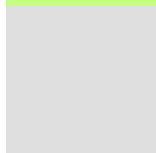
83.8068, 0.3116, 0.3670

# Monochromacy



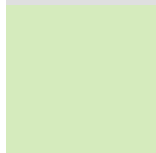
## Original Color

84.8675, 0.3444, 0.4673



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.2369, 0.3266, 0.3802

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8675, 0.3444, 0.4673 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8675, 0.3444, 0.4673 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, 130) }
```

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

```
.border{ border-color:rgb(196, 255, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8675, 0.3444, 0.4673 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, 130) }
```

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

```
.background{ background-color: rgb(196,  
255, 130) }
```

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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