

# Converting Colors

$Yxy(85.0762, 0.3431, 0.4141)$

Have a look what the booklet for  
Yxy(85.0762, 0.3431, 0.4141)  
contains.

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# Color

**Yxy(84.8783, 0.3436, 0.4139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEF7A8
RGB	222, 247, 168
RGB Percent	87%, 97%, 66%
CMY	0.1293, 0.0314, 0.3411
CMYK	0.10, 0.00, 0.32, 0.03
HSL	79°, 83%, 81%
HSV	79°, 32%, 97%
XYZ	70.4619, 84.8783, 49.7294
YIQ	230.5190, 10.4590, -29.8690

# Conversions

## Conversions Part 2

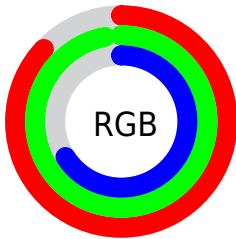
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 247, 193
Decimal	14612392
CIELab	93.83, -20.88, 35.34
CIELCh	94, 41.051, 120.579
Yxy	84.8783, 0.3436, 0.4139
Android (android.graphics.Color)	4292802472 (0xFFDEF7A8)
YUV	230.5190, -30.8219, -7.4712
Hunter-Lab	92.1294, -24.7071, 32.4872

# Details

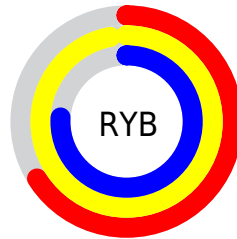
The Yxy color **84.8783, 0.3436, 0.4139** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.0691, 0.2736, 0.2387**, and the grayscale version is **79.7698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **46.6064, 0.3490, 0.4344** is the 20% darker color. If you saturate the color by 10%, you get **82.8420, 0.3522, 0.4418**, and if you desaturate by 10%, it is **87.1540, 0.3342, 0.3861**.

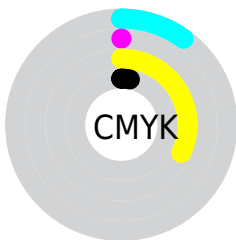
# Distribution



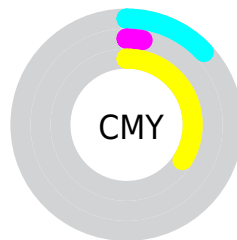
- Red (87%)
- Green (97%)
- Blue (66%)



- Red (66%)
- Yellow (97%)
- Blue (76%)



- Cyan (10%)
- Magenta (0%)
- Yellow (32%)
- Black (3%)




- Cyan (13%)
- Magenta (3%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8783, 0.3436, 0.4139 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 84.8783, 0.3436, 0.4139 by changing the saturation by 10% instead.





 84.8783, 0.3436,  
0.4139

 84.8783, 0.3436,  
0.4139


511.2253, 0.3307,  
0.3745

 63.7408, 0.3462,  
0.4228


 140.2031, 0.3394,  
0.4003

 46.4408, 0.3491,  
0.4338


175.1593, 0.3377,  
0.3950

 32.5938, 0.3525,  
0.4475


215.4904, 0.3362,  
0.3904

 21.8155, 0.3563,  
0.4651

261.5810, 0.3349,  
0.3864

 13.7214, 0.3604,  
0.4885

313.8154, 0.3337,  
0.3829

 7.9271, 0.3640,  
0.5205

372.5780, 0.3326,

 4.0484, 0.3695,

0.3798

0.5736

438.2531, 0.3316,  
0.3770

■ 1.7006, 0.3584,  
0.6416

■ 0.4241, 0.0000,  
1.0000

■ 84.8783, 0.3436,  
0.4139

■ 84.8783, 0.3436,  
0.4139

■ 82.8420, 0.3522,  
0.4418

■ 87.1540, 0.3342,  
0.3861

■ 81.0233, 0.3595,  
0.4687

■ 89.6679, 0.3244,  
0.3592

■ 79.4142, 0.3649,  
0.4934

■ 92.4329, 0.3146,  
0.3338

■ 78.0016, 0.3680,  
0.5147

■ 94.6721, 0.3120,  
0.3213

■ 76.7706, 0.3686,  
0.5314

■ 94.9993, 0.3131,  
0.3214

■ 75.7036, 0.3666,  
0.5431

■ 74.9439, 0.3637,  
0.5495

# Harmonies

## Analogous

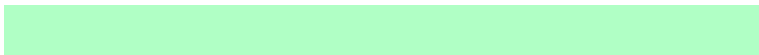
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8783, 0.3836, 0.4047



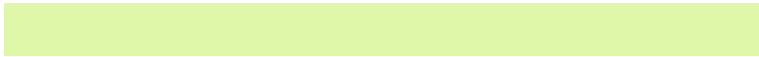
84.8783, 0.3436, 0.4139



84.8783, 0.2971, 0.3956

# Triad

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



84.8783, 0.3436, 0.4139



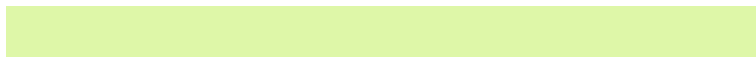
84.8783, 0.2277, 0.2730



84.8783, 0.3695, 0.3029

# Complementary

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



84.8783, 0.3436, 0.4139



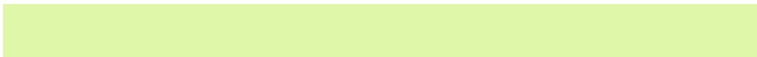
46.0691, 0.2736, 0.2387

# Split Complementary

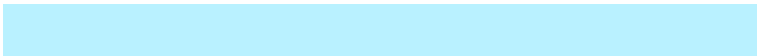
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8783, 0.3233, 0.2734



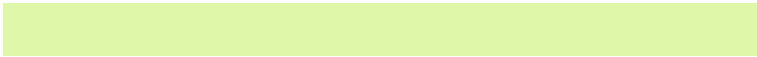
84.8783, 0.3436, 0.4139



84.8783, 0.2434, 0.2555

# Square

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



84.8783, 0.3436, 0.4139



84.8783, 0.2322, 0.3083



84.8783, 0.2773, 0.2563



84.8783, 0.4004, 0.3394



# Rectangle

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



84.8783, 0.3436, 0.4139



84.8783, 0.2688, 0.3698



84.8783, 0.2773, 0.2563



84.8783, 0.3550, 0.2920

# Sweetspot

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



84.8820, 0.3436, 0.4139



96.9680, 0.3225, 0.3541



60.1786, 0.3784, 0.3546



20.6687, 0.3239, 0.3578



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

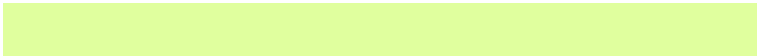


# Same Dimension

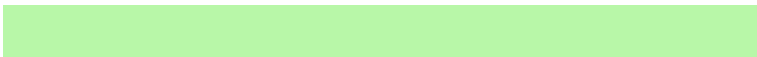
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8820, 0.3436, 0.4139



89.8976, 0.3490, 0.4310



79.5163, 0.3181, 0.4211



19.0356, 0.3220, 0.3527



39.7159, 0.3646, 0.5487



3.5453, 0.3716, 0.5432



# Inverse Universe

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



46.0691, 0.2736, 0.2387



42.4929, 0.2642, 0.2192



51.7548, 0.3036, 0.2462



16.1809, 0.3029, 0.3049



4.4769, 0.1722, 0.0722

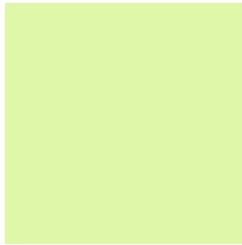


0.4460, 0.1855, 0.0795



# Previews

## White Background



This preview shows how the Yxy color 84.8783, 0.3436, 0.4139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

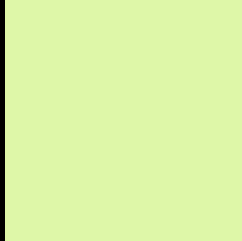
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8783, 0.3436, 0.4139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

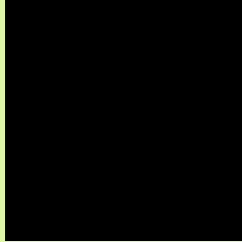
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.8783, 0.3436, 0.4139**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8783, 0.3436, 0.4139.

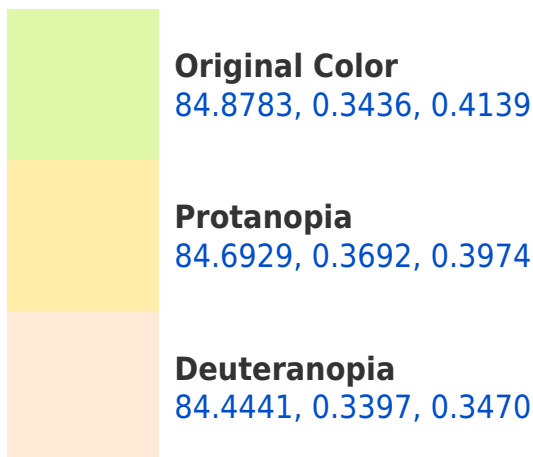


This preview shows how white text looks on a background with the Yxy color 84.8783, 0.3436, 0.4139.

# 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

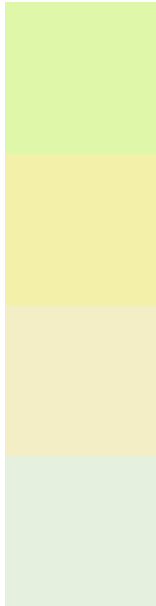




## Tritanopia

84.7033, 0.2999, 0.3099

# Trichromacy



**Original Color**

84.8783, 0.3436, 0.4139

**Protanomaly**

84.8299, 0.3593, 0.4033

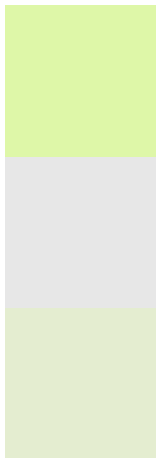
**Deuteranomaly**

84.2810, 0.3415, 0.3703

**Tritanomaly**

84.4709, 0.3165, 0.3467

# Monochromacy



**Original Color**

84.8783, 0.3436, 0.4139

**Achromatopsia**

79.9103, 0.3127, 0.3290

**Achromatomaly**

81.6164, 0.3248, 0.3598

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  84.8783, 0.3436, 0.4139 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(222, 247, 168)` looks like.

```
.text, #text, p{  
    color:rgb(222, 247, 168)  
}
```

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(222, 247, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 247, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8783, 0.3436, 0.4139 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(222, 247, 168) }
```

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

```
.border{ border-color:rgb(222, 247, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 247, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 247, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 247, 168); box-shadow:4px 4px 4px 4px rgb(222, 247, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8783, 0.3436, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 247, 168) }
```

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

```
.background{ background-color: rgb(222,  
247, 168) }
```

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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