

# Converting Colors

$Y_{xy}(86.7940, 0.3546, 0.4480)$

Have a look what the booklet for  
Yxy(86.7940, 0.3546, 0.4480)  
contains.

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# Color

**Yxy(87.0791, 0.3543, 0.4482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAFD8D
RGB	218, 253, 141
RGB Percent	85%, 99%, 55%
CMY	0.1453, 0.0078, 0.4471
CMYK	0.14, 0.00, 0.44, 0.01
HSL	79°, 97%, 77%
HSV	79°, 44%, 99%
XYZ	68.8356, 87.0791, 38.3715
YIQ	229.7670, 15.0920, -42.2520

# Conversions

## Conversions Part 2

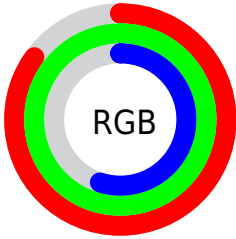
Format	Color
<a href="#">RYB</a>	<a href="#">141, 253, 176</a>
Decimal	<a href="#">14351757</a>
CIELab	<a href="#">94.77, -28.45, 49.72</a>
CIELCh	<a href="#">95, 57.281, 119.779</a>
Yxy	<a href="#">87.0791, 0.3543, 0.4482</a>
Android (android.graphics.Color)	<a href="#">4292541837</a> <a href="#">(0xFFDAFD8D)</a>
YUV	<a href="#">229.7670, -43.7621, -10.3197</a>
Hunter-Lab	<a href="#">93.3162, -31.6310, 40.9413</a>

# Details

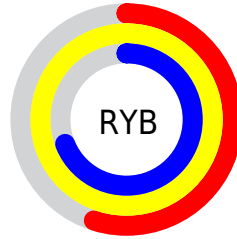
The Yxy color **87.0791, 0.3543, 0.4482** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.3731, 0.2539, 0.1988**, and the grayscale version is **79.2664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **47.7615, 0.3602, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **85.2225, 0.3612, 0.4747**, and if you desaturate by 10%, it is **89.1738, 0.3459, 0.4204**.

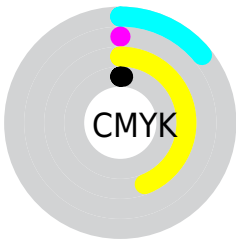
# Distribution



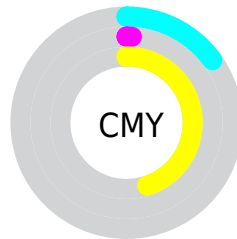
- Red (85%)
- Green (99%)
- Blue (55%)



- Red (55%)
- Yellow (99%)
- Blue (69%)



- Cyan (14%)
- Magenta (0%)
- Yellow (44%)
- Black (1%)




- Cyan (15%)
- Magenta (1%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0791, 0.3543, 0.4482 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 87.0791, 0.3543, 0.4482 by changing the saturation by 10% instead.




 87.0791, 0.3543,  
0.4482


 87.0791, 0.3543,  
0.4482


518.4828, 0.3380,  
0.3931

 65.5607, 0.3572,  
0.4605


 143.2744, 0.3493,  
0.4293

 47.9158, 0.3602,  
0.4753


 178.7200, 0.3472,  
0.4219

 33.7603, 0.3634,  
0.4937


219.5769, 0.3453,  
0.4155

 22.7095, 0.3662,  
0.5168

266.2293, 0.3435,  
0.4099

 14.3791, 0.3676,  
0.5461

319.0617, 0.3419,  
0.4049

 8.3848, 0.3658,  
0.5844

378.4585, 0.3405,


 4.3422, 0.3588,


0.4005


444.8040, 0.3392,  
0.3966


0.6412


 1.8667, 0.3154,  
0.6846


 0.5283, 0.0000,  
1.0000


 87.0791, 0.3543,  
0.4482


 87.0791, 0.3543,  
0.4482


 85.2225, 0.3612,  
0.4747


 89.1738, 0.3459,  
0.4204


 83.5797, 0.3662,  
0.4986

 91.5065, 0.3366,  
0.3925

 82.1403, 0.3688,  
0.5188

 94.0918, 0.3268,  
0.3653

 80.8880, 0.3688,  
0.5344

 96.9395, 0.3169,  
0.3395

■ 79.8030, 0.3663,  
0.5448

98.7416, 0.3128,  
0.3271

■ 79.2415, 0.3641,  
0.5491

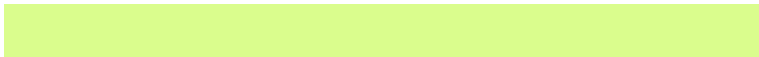
# Harmonies

## Analogous

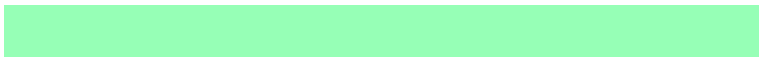
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0791, 0.4093, 0.4300



87.0791, 0.3543, 0.4482



87.0791, 0.2912, 0.4254

# Triad

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



87.0791, 0.3543, 0.4482



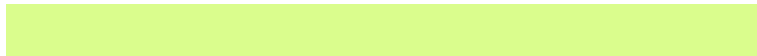
87.0791, 0.1990, 0.2524



87.0791, 0.3895, 0.2917

# Complementary

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



87.0791, 0.3543, 0.4482



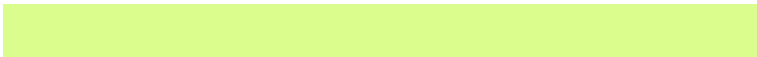
35.3731, 0.2539, 0.1988

# 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.



87.0791, 0.3245, 0.2539



87.0791, 0.3543, 0.4482



87.0791, 0.2187, 0.2304

# Square

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



87.0791, 0.3543, 0.4482



87.0791, 0.2049, 0.2999



87.0791, 0.2623, 0.2320



87.0791, 0.4336, 0.3389



# Rectangle

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



87.0791, 0.3543, 0.4482



87.0791, 0.2531, 0.3882



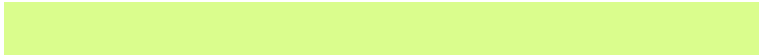
87.0791, 0.2623, 0.2320



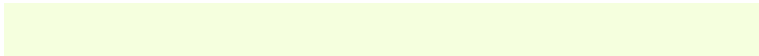
87.0791, 0.3690, 0.2777

# Sweetspot

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



87.0830, 0.3543, 0.4482



96.1311, 0.3255, 0.3620



53.3105, 0.4144, 0.3647



20.4452, 0.3277, 0.3678



0.0000, 0.0000, 0.0000

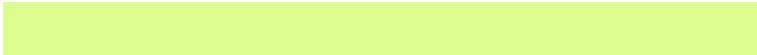


21.4041, 0.3127, 0.3290

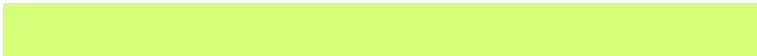


# Same Dimension

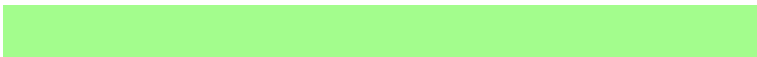
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0830, 0.3543, 0.4482



86.9745, 0.3605, 0.4715



80.0120, 0.3189, 0.4629



20.7889, 0.3221, 0.3528



42.2279, 0.3650, 0.5484



4.1697, 0.3713, 0.5434



# Inverse Universe

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



35.3731, 0.2539, 0.1988



28.3135, 0.2391, 0.1706



43.0620, 0.2986, 0.2140



17.6535, 0.3028, 0.3048



4.7286, 0.1716, 0.0719

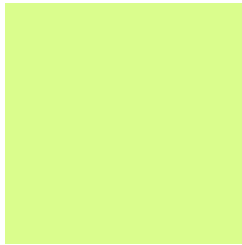


0.5155, 0.1835, 0.0785



# Previews

## White Background



This preview shows how the Yxy color 87.0791, 0.3543, 0.4482 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

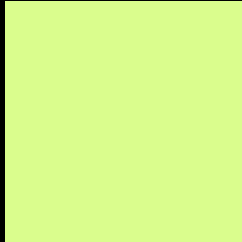
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.0791, 0.3543, 0.4482 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 87.0791, 0.3543, 0.4482**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.0791, 0.3543, 0.4482.

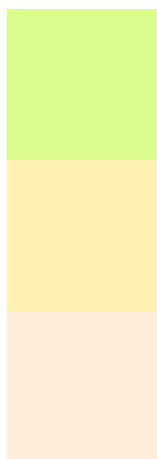


This preview shows how white text looks on a background with the Yxy color 87.0791, 0.3543, 0.4482.

# 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

87.0791, 0.3543, 0.4482

### Protanopia

86.8755, 0.3613, 0.3892

### Deuteranopia

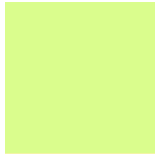
86.3129, 0.3372, 0.3470



## Tritanopia

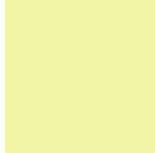
86.4454, 0.2999, 0.3130

# Trichromacy



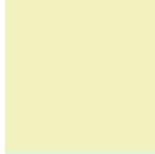
## Original Color

87.0791, 0.3543, 0.4482



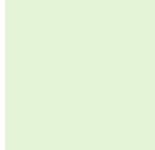
## Protanomaly

86.9352, 0.3593, 0.4102



## Deuteranomaly

86.0992, 0.3452, 0.3827



## Tritanomaly

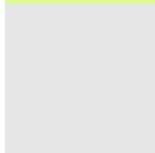
86.0504, 0.3204, 0.3605

# Monochromacy



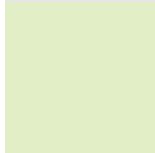
## Original Color

87.0791, 0.3543, 0.4482



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.3950, 0.3296, 0.3719

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.0791, 0.3543, 0.4482 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(218, 253, 141)` looks like.

```
.text, #text, p{  
    color:rgb(218, 253, 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(218, 253, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 253, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 87.0791, 0.3543, 0.4482 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(218, 253, 141) }
```

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

```
.border{ border-color:rgb(218, 253, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 253, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 253, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 253, 141);  
box-shadow:4px 4px 4px 4px rgb(218, 253,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.0791, 0.3543, 0.4482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 253, 141) }
```

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

```
.background{ background-color: rgb(218,  
253, 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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