

# Converting Colors

$Yxy(86.7764, 0.3530, 0.4487)$

Have a look what the booklet for  
Yxy(86.7764, 0.3530, 0.4487)  
contains.

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# Color

**Yxy(86.7726, 0.3530, 0.4487)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8FD8D
RGB	216, 253, 141
RGB Percent	85%, 99%, 55%
CMY	0.1527, 0.0079, 0.4471
CMYK	0.15, 0.00, 0.44, 0.01
HSL	80°, 97%, 77%
HSV	80°, 44%, 99%
XYZ	68.2655, 86.7726, 38.3486
YIQ	229.1690, 13.9000, -42.6760

# Conversions

## Conversions Part 2

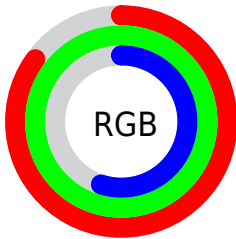
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 253, 178
Decimal	14220685
CIELab	94.64, -29.13, 49.52
CIElCh	95, 57.454, 120.467
Yxy	86.7726, 0.3530, 0.4487
Android (android.graphics.Color)	4292410765 (0xFFD8FD8D)
YUV	229.1690, -43.4673, -11.5492
Hunter-Lab	93.1518, -32.2035, 40.7979

# Details

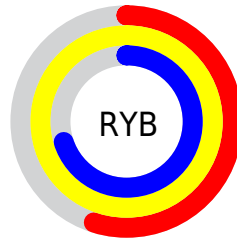
The Yxy color **86.7726, 0.3530, 0.4487** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.5971, 0.2553, 0.1993**, and the grayscale version is **78.8138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **47.5554, 0.3584, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **84.8683, 0.3596, 0.4755**, and if you desaturate by 10%, it is **88.9211, 0.3449, 0.4207**.

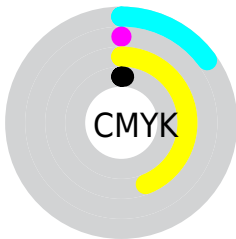
# Distribution



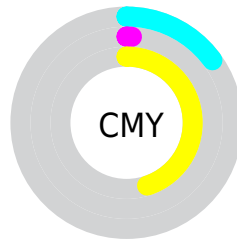
- Red (85%)
- Green (99%)
- Blue (55%)



- Red (55%)
- Yellow (99%)
- Blue (70%)



- Cyan (15%)
- Magenta (0%)
- Yellow (44%)
- Black (1%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7726, 0.3530, 0.4487 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 86.7726, 0.3530, 0.4487 by changing the saturation by 10% instead.




 86.7726, 0.3530,  
0.4487


 86.7726, 0.3530,  
0.4487

517.4753, 0.3373,  
0.3933

 65.3070, 0.3557,  
0.4611


 142.8471, 0.3482,  
0.4297

 47.7101, 0.3587,  
0.4761


 178.2249, 0.3462,  
0.4222

 33.5974, 0.3616,  
0.4947


219.0089, 0.3443,  
0.4157

 22.5845, 0.3641,  
0.5180

265.5834, 0.3426,  
0.4101

 14.2870, 0.3652,  
0.5478

318.3329, 0.3411,  
0.4051

 8.3205, 0.3629,  
0.5868

377.6418, 0.3397,

 4.3007, 0.3552,

0.4007

0.6448

443.8945, 0.3385,  
0.3968

■ 1.8432, 0.3104,  
0.6896

■ 0.5139, 0.0000,  
1.0000

■ 86.7726, 0.3530,  
0.4487

■ 86.7726, 0.3530,  
0.4487

■ 84.8683, 0.3596,  
0.4755

■ 88.9211, 0.3449,  
0.4207

■ 83.1839, 0.3643,  
0.4998

■ 91.3139, 0.3359,  
0.3926

■ 81.7088, 0.3666,  
0.5203

■ 93.9657, 0.3264,  
0.3654

■ 80.4266, 0.3664,  
0.5362

■ 96.8865, 0.3168,  
0.3395

■ 79.3172, 0.3637,  
0.5469

98.7248, 0.3128,  
0.3271

■ 78.7431, 0.3613,  
0.5513

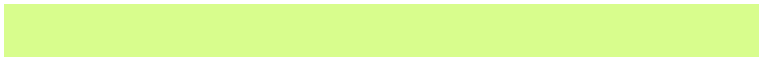
# Harmonies

## Analogous

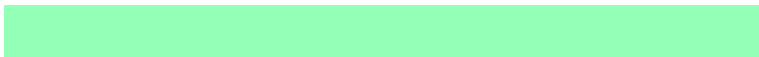
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7726, 0.4086, 0.4312



86.7726, 0.3530, 0.4487



86.7726, 0.2896, 0.4248

# Triad

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



86.7726, 0.3530, 0.4487



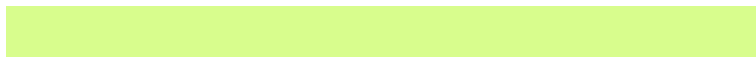
86.7726, 0.1988, 0.2513



86.7726, 0.3912, 0.2926

# Complementary

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



86.7726, 0.3530, 0.4487



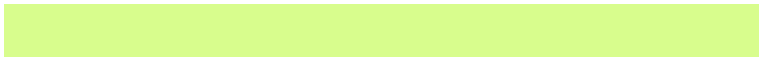
35.5971, 0.2553, 0.1993

# 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.



86.7726, 0.3261, 0.2544



86.7726, 0.3530, 0.4487



86.7726, 0.2190, 0.2298

# Square

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



86.7726, 0.3530, 0.4487



86.7726, 0.2041, 0.2983



86.7726, 0.2634, 0.2319

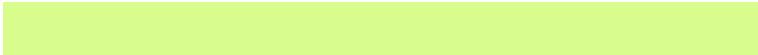


86.7726, 0.4347, 0.3401



# Rectangle

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



86.7726, 0.3530, 0.4487



86.7726, 0.2517, 0.3870



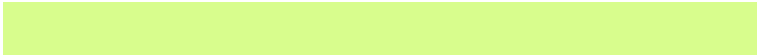
86.7726, 0.2634, 0.2319



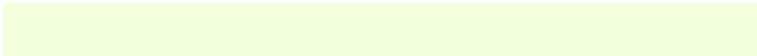
86.7726, 0.3707, 0.2785

# Sweetspot

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



86.7764, 0.3530, 0.4487



96.0314, 0.3252, 0.3620



54.0367, 0.4134, 0.3666



20.4205, 0.3273, 0.3679



0.0000, 0.0000, 0.0000

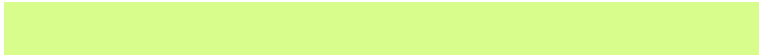


21.4041, 0.3127, 0.3290

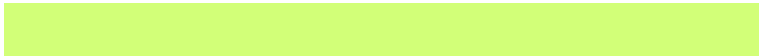


# Same Dimension

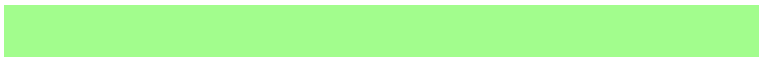
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7764, 0.3530, 0.4487



86.6381, 0.3589, 0.4723



79.8003, 0.3178, 0.4633



20.7731, 0.3218, 0.3528



41.9745, 0.3622, 0.5506



4.1464, 0.3688, 0.5453



# Inverse Universe

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



35.5971, 0.2553, 0.1993



28.5535, 0.2408, 0.1713



43.3735, 0.3002, 0.2146



17.6686, 0.3030, 0.3048



4.8314, 0.1738, 0.0731

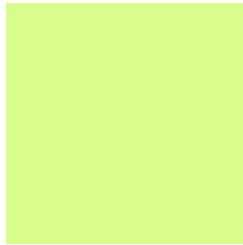


0.5270, 0.1859, 0.0798



# Previews

## White Background



This preview shows how the Yxy color 86.7726, 0.3530, 0.4487 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 86.7726, 0.3530, 0.4487 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

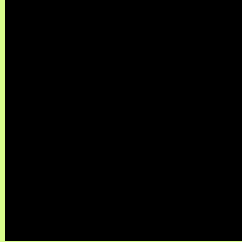
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

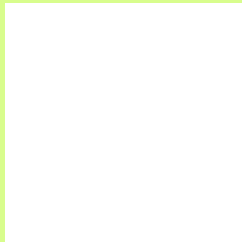
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.7726, 0.3530, 0.4487**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.7726, 0.3530, 0.4487.

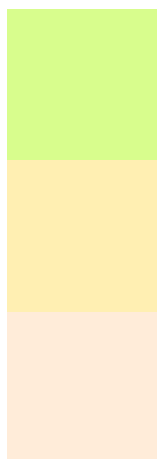


This preview shows how white text looks on a background with the Yxy color 86.7726, 0.3530, 0.4487.

# 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

86.7726, 0.3530, 0.4487

### Protanopia

86.2074, 0.3628, 0.3903

### Deuteranopia

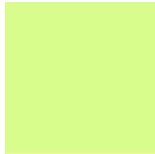
86.2607, 0.3379, 0.3480



## **Tritanopia**

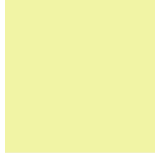
86.2766, 0.2993, 0.3129

# Trichromacy



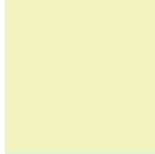
## Original Color

86.7726, 0.3530, 0.4487



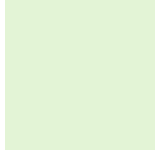
## Protanomaly

86.1188, 0.3595, 0.4105



## Deuteranomaly

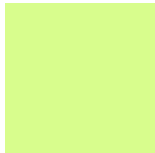
85.8792, 0.3451, 0.3838



## Tritanomaly

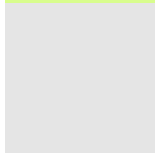
85.8873, 0.3197, 0.3605

# Monochromacy



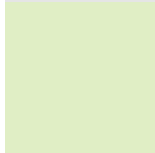
## Original Color

86.7726, 0.3530, 0.4487



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

81.0276, 0.3288, 0.3732

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.7726, 0.3530, 0.4487 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(216, 253, 141)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 253, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 253, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 86.7726, 0.3530, 0.4487 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(216, 253, 141) }
```

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

```
.border{ border-color:rgb(216, 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(216, 253, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 253, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 253, 141);  
box-shadow:4px 4px 4px 4px rgb(216, 253,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.7726, 0.3530, 0.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 253, 141) }
```

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

```
.background{ background-color: rgb(216,  
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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