

# Converting Colors

Yxy(87.2452, 0.3435, 0.4441)

Have a look what the booklet for  
Yxy(87.2452, 0.3435, 0.4441)  
contains.

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# Color

**Yxy(87.2452, 0.3435, 0.4441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FF95
RGB	209, 255, 149
RGB Percent	82%, 100%, 58%
CMY	0.1804, 0.0000, 0.4156
CMYK	0.18, 0.00, 0.42, 0.00
HSL	86°, 100%, 79%
HSV	86°, 42%, 100%
XYZ	67.4819, 87.2452, 41.7268
YIQ	229.1620, 6.6100, -42.7180

# Conversions

## Conversions Part 2

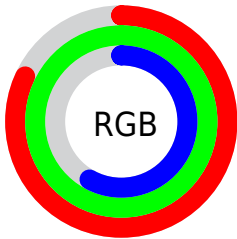
Format	Color
<b>RYB</b>	149, 255, 195
Decimal	13762453
CIELab	94.84, -31.72, 45.84
CIELCh	95, 55.738, 124.681
Yxy	87.2452, 0.3435, 0.4441
Android (android.graphics.Color)	4291952533 (0xFFD1FF95)
YUV	229.1620, -39.5199, -17.6821
Hunter-Lab	93.4051, -34.4990, 38.8970

# Details

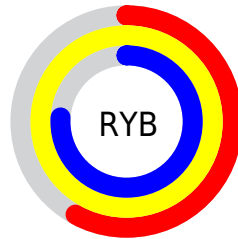
The Yxy color **87.2452, 0.3435, 0.4441** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.3280, 0.2682, 0.2108**, and the grayscale version is **78.7759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1396, 0.3430, 0.3790**, and **48.0050, 0.3478, 0.4710** is the 20% darker color. If you saturate the color by 10%, you get **84.9607, 0.3488, 0.4730**, and if you desaturate by 10%, it is **89.8236, 0.3369, 0.4147**.

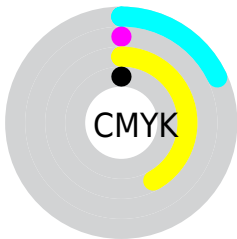
# Distribution



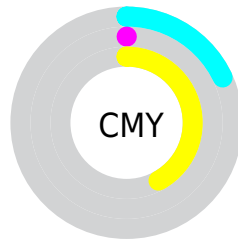
- Red (82%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (76%)



- Cyan (18%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2452, 0.3435, 0.4441 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 87.2452, 0.3435, 0.4441 by changing the saturation by 10% instead.




 87.2452, 0.3435,  
0.4441


 87.2452, 0.3435,  
0.4441


519.0283, 0.3318,  
0.3905

 65.6981, 0.3455,  
0.4562

 143.5059, 0.3400,  
0.4256

 48.0274, 0.3475,  
0.4710


 178.9882, 0.3385,  
0.4183

 33.8486, 0.3494,  
0.4895

219.8845, 0.3371,  
0.4121

 22.7773, 0.3509,  
0.5130

266.5791, 0.3358,  
0.4066

 14.4292, 0.3509,  
0.5435

319.4564, 0.3347,  
0.4019

 8.4198, 0.3472,  
0.5838

378.9007, 0.3337,

 4.3647, 0.3437,

0.3976

0.6563

445.2966, 0.3327,  
0.3939

■ 1.8796, 0.2953,  
0.7047

■ 0.5361, 0.0000,  
1.0000

■ 87.2452, 0.3435,  
0.4441

■ 87.2452, 0.3435,  
0.4441

■ 84.9607, 0.3488,  
0.4730

■ 89.8236, 0.3369,  
0.4147

■ 82.9509, 0.3522,  
0.5001

■ 92.7037, 0.3296,  
0.3858

■ 81.2020, 0.3536,  
0.5238

■ 95.8991, 0.3218,  
0.3584

■ 79.6965, 0.3525,  
0.5430

■ 99.4210, 0.3139,  
0.3328

■ 78.4137, 0.3490,  
0.5567

100.0000, 0.3127,  
0.3290

■ 77.4787, 0.3447,  
0.5645

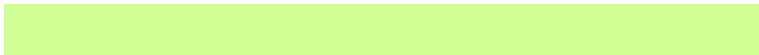
# Harmonies

## Analogous

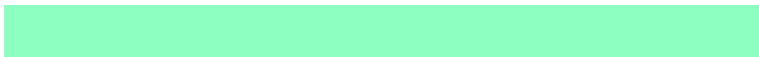
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2452, 0.3994, 0.4325



87.2452, 0.3435, 0.4441



87.2452, 0.2823, 0.4149

# Triad

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



87.2452, 0.3435, 0.4441



87.2452, 0.2032, 0.2492



87.2452, 0.3964, 0.2999

# Complementary

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



87.2452, 0.3435, 0.4441



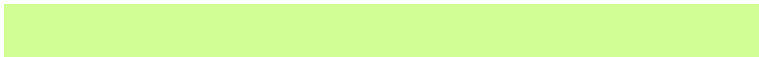
40.3280, 0.2682, 0.2108

# 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.



87.2452, 0.3350, 0.2609



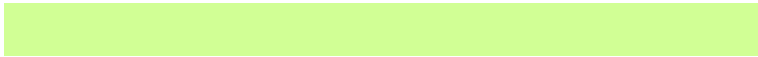
87.2452, 0.3435, 0.4441



87.2452, 0.2264, 0.2315

# Square

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



87.2452, 0.3435, 0.4441



87.2452, 0.2049, 0.2917



87.2452, 0.2726, 0.2365

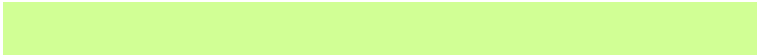


87.2452, 0.4340, 0.3469



# Rectangle

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



87.2452, 0.3435, 0.4441



87.2452, 0.2468, 0.3761



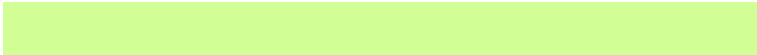
87.2452, 0.2726, 0.2365



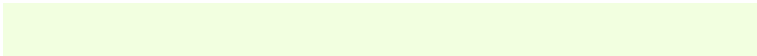
87.2452, 0.3775, 0.2856

# Sweetspot

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



87.2469, 0.3435, 0.4441



95.7511, 0.3221, 0.3596



62.4378, 0.3995, 0.3770



20.4018, 0.3232, 0.3630



0.0000, 0.0000, 0.0000

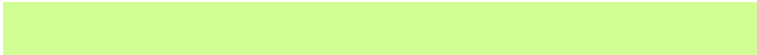


21.4041, 0.3127, 0.3290

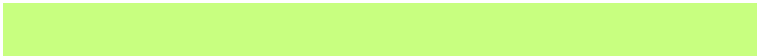


# Same Dimension

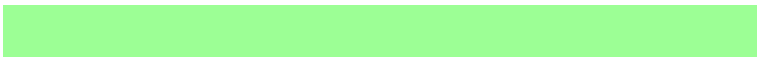
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2469, 0.3435, 0.4441



85.2984, 0.3480, 0.4686



80.7678, 0.3106, 0.4568



20.6754, 0.3202, 0.3530



40.5742, 0.3459, 0.5636



4.0152, 0.3539, 0.5572



# Inverse Universe

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



40.3280, 0.2682, 0.2108



32.5755, 0.2564, 0.1848



48.6678, 0.3116, 0.2247



17.7633, 0.3047, 0.3049



5.6119, 0.1899, 0.0820

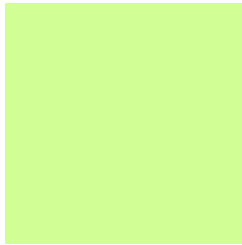


0.6096, 0.2025, 0.0889



# Previews

## White Background



This preview shows how the Yxy color 87.2452, 0.3435, 0.4441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

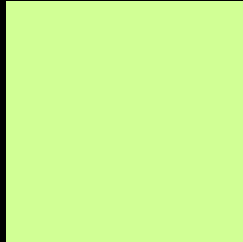
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.2452, 0.3435, 0.4441 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

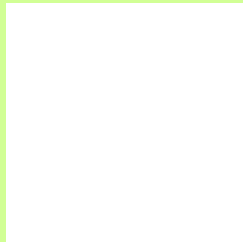
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.2452, 0.3435, 0.4441**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.2452, 0.3435, 0.4441.

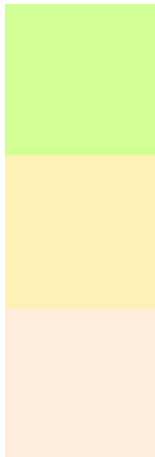


This preview shows how white text looks on a background with the Yxy color 87.2452, 0.3435, 0.4441.

# 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

87.2452, 0.3435, 0.4441

### Protanopia

86.9164, 0.3606, 0.3882

### Deuteranopia

86.9428, 0.3364, 0.3469



## Tritanopia

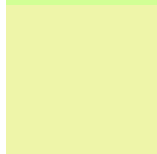
86.7886, 0.2968, 0.3148

# Trichromacy



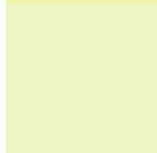
## Original Color

87.2452, 0.3435, 0.4441



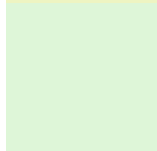
## Protanomaly

86.3465, 0.3547, 0.4079



## Deuteranomaly

86.7736, 0.3395, 0.3809



## Tritanomaly

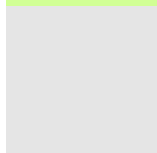
86.3990, 0.3151, 0.3607

# Monochromacy



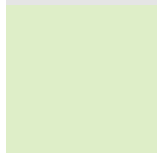
## Original Color

87.2452, 0.3435, 0.4441



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.8488, 0.3256, 0.3701

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.2452, 0.3435, 0.4441 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(209, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 149)  
}
```

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(209, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 87.2452, 0.3435, 0.4441 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(209, 255, 149) }
```

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

```
.border{ border-color:rgb(209, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.2452, 0.3435, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 149) }
```

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

```
.background{ background-color: rgb(209,  
255, 149) }
```

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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