

# Converting Colors

$Yxy(87.4084, 0.3409, 0.4389)$

Have a look what the booklet for  
Yxy(87.4084, 0.3409, 0.4389)  
contains.

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# Color

**Yxy(87.4084, 0.3409, 0.4389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FF9A
RGB	209, 255, 154
RGB Percent	82%, 100%, 60%
CMY	0.1803, 0.0000, 0.3962
CMYK	0.18, 0.00, 0.40, 0.00
HSL	87°, 100%, 80%
HSV	87°, 40%, 100%
XYZ	67.8914, 87.4084, 43.8536
YIQ	229.7320, 5.0050, -41.1630

# Conversions

## Conversions Part 2

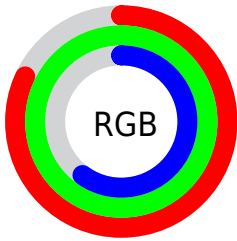
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 255, 200
Decimal	13762458
CIELab	94.91, -31.11, 43.53
CIELCh	95, 53.503, 125.557
Yxy	87.4084, 0.3409, 0.4389
Android (android.graphics.Color)	4291952538 (0xFFD1FF9A)
YUV	229.7320, -37.3359, -18.1820
Hunter-Lab	93.4925, -33.9905, 37.6342

# Details

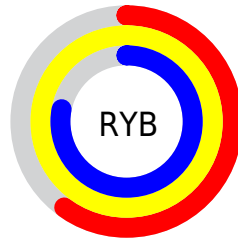
The Yxy color **87.4084, 0.3409, 0.4389** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.5956, 0.2725, 0.2173**, and the grayscale version is **79.2045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **48.1001, 0.3447, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **85.0188, 0.3461, 0.4683**, and if you desaturate by 10%, it is **90.1085, 0.3345, 0.4093**.

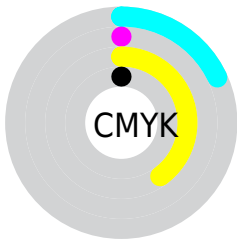
# Distribution



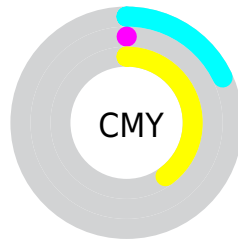
- Red (82%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (78%)



- Cyan (18%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4084, 0.3409, 0.4389 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 87.4084, 0.3409, 0.4389 by changing the saturation by 10% instead.




 87.4084, 0.3409,  
0.4389


 87.4084, 0.3409,  
0.4389


519.5639, 0.3302,  
0.3877

 65.8332, 0.3427,  
0.4505

 143.7332, 0.3377,  
0.4212

 48.1370, 0.3446,  
0.4647


 179.2517, 0.3363,  
0.4143

 33.9354, 0.3465,  
0.4825

220.1867, 0.3350,  
0.4083

 22.8440, 0.3479,  
0.5052

266.9227, 0.3339,  
0.4031

 14.4784, 0.3482,  
0.5349

319.8440, 0.3328,  
0.3985

 8.4541, 0.3452,  
0.5746


379.3350, 0.3318,


 4.3869, 0.3468,


0.3945


0.6532


445.7802, 0.3310,  
0.3909


 1.8922, 0.2996,  
0.7004


 0.5437, 0.0000,  
1.0000


 87.4084, 0.3409,  
0.4389


 87.4084, 0.3409,  
0.4389


 85.0188, 0.3461,  
0.4683


 90.1085, 0.3345,  
0.4093

 82.9154, 0.3496,  
0.4963

 93.1220, 0.3274,  
0.3805

 81.0861, 0.3511,  
0.5212

 96.4645, 0.3199,  
0.3533

 79.5134, 0.3502,  
0.5416

100.0000, 0.3127,  
0.3290

■ 78.1769, 0.3469,  
0.5567

■ 77.0460, 0.3418,  
0.5666

■ 77.0055, 0.3416,  
0.5669

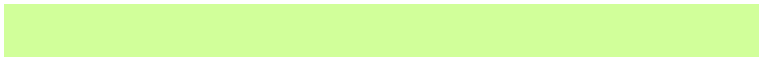
# Harmonies

## Analogous

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



87.4084, 0.3950, 0.4294



87.4084, 0.3409, 0.4389



87.4084, 0.2820, 0.4096

# Triad

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



87.4084, 0.3409, 0.4389



87.4084, 0.2074, 0.2516



87.4084, 0.3945, 0.3023

# Complementary

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



87.4084, 0.3409, 0.4389



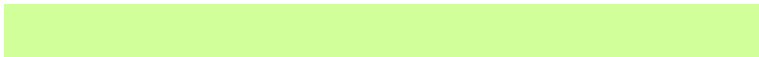
42.5956, 0.2725, 0.2173

# 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.



87.4084, 0.3360, 0.2643



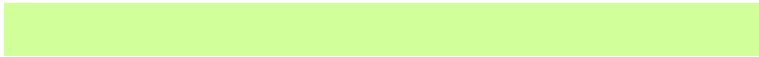
87.4084, 0.3409, 0.4389



87.4084, 0.2306, 0.2349

# Square

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



87.4084, 0.3409, 0.4389



87.4084, 0.2084, 0.2920



87.4084, 0.2759, 0.2402

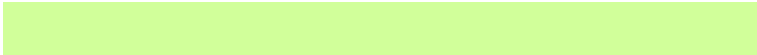


87.4084, 0.4296, 0.3480



# Rectangle

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



87.4084, 0.3409, 0.4389



87.4084, 0.2481, 0.3723



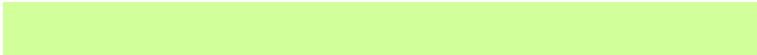
87.4084, 0.2759, 0.2402



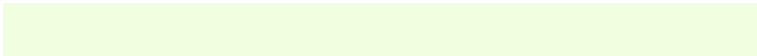
87.4084, 0.3766, 0.2885

# Sweetspot

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



87.4118, 0.3409, 0.4389



95.6376, 0.3217, 0.3596



64.6406, 0.3937, 0.3764



20.3751, 0.3227, 0.3631



0.0000, 0.0000, 0.0000

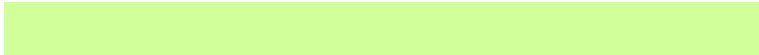


21.4041, 0.3127, 0.3290

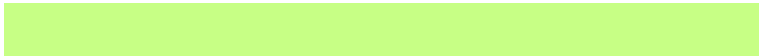


# Same Dimension

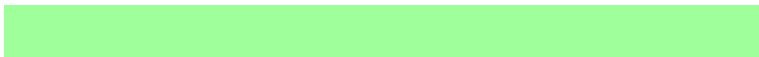
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4118, 0.3409, 0.4389



85.3857, 0.3453, 0.4637



81.2261, 0.3098, 0.4502



20.6558, 0.3199, 0.3530



40.3270, 0.3428, 0.5660



3.9915, 0.3510, 0.5595



# Inverse Universe

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



42.5956, 0.2725, 0.2173



34.6151, 0.2613, 0.1917



50.6380, 0.3131, 0.2298



17.7826, 0.3050, 0.3049



5.8003, 0.1937, 0.0840

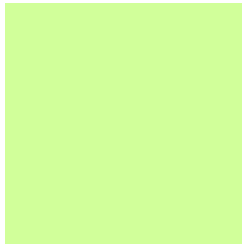


0.6287, 0.2062, 0.0909



# Previews

## White Background



This preview shows how the Yxy color 87.4084, 0.3409, 0.4389 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

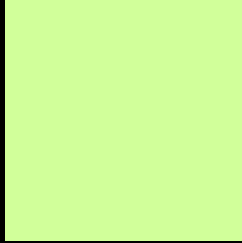
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.4084, 0.3409, 0.4389 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 87.4084, 0.3409, 0.4389**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.4084, 0.3409, 0.4389.

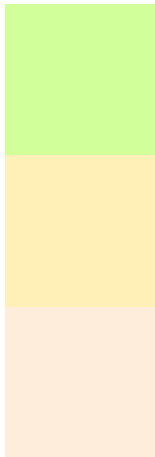


This preview shows how white text looks on a background with the Yxy color 87.4084, 0.3409, 0.4389.

# 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**

87.4084, 0.3409, 0.4389

**Protanopia**

86.9991, 0.3593, 0.3862

**Deuteranopia**

86.9957, 0.3358, 0.3459



## Tritanopia

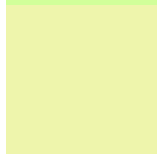
86.7886, 0.2968, 0.3148

# Trichromacy



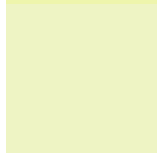
## Original Color

87.4084, 0.3409, 0.4389



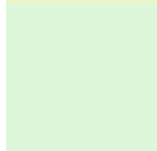
## Protanomaly

86.4605, 0.3529, 0.4048



## Deuteranomaly

86.8640, 0.3382, 0.3788



## Tritanomaly

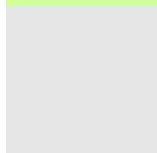
86.5031, 0.3139, 0.3585

# Monochromacy



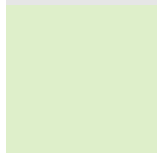
## Original Color

87.4084, 0.3409, 0.4389



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.5269, 0.3242, 0.3689

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.4084, 0.3409, 0.4389 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 87.4084, 0.3409, 0.4389 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, 154) }
```

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

```
.border{ border-color:rgb(209, 255, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.4084, 0.3409, 0.4389 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, 154) }
```

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

```
.background{ background-color: rgb(209,  
255, 154) }
```

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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