

# Converting Colors

Yxy(88.4524, 0.3639, 0.4614)

Have a look what the booklet for  
Yxy(88.4524, 0.3639, 0.4614)  
contains.

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# Color

**Yxy(88.5819, 0.3635, 0.4618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFF7F
RGB	222, 255, 127
RGB Percent	87%, 100%, 50%
CMY	0.1292, 0.0000, 0.5018
CMYK	0.13, 0.00, 0.50, 0.00
HSL	75°, 100%, 75%
HSV	75°, 50%, 100%
XYZ	69.7261, 88.5819, 33.5107
YIQ	230.5410, 21.4200, -46.8040

# Conversions

## Conversions Part 2

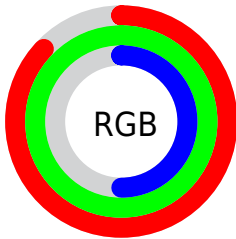
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 255, 160
Decimal	14614399
CIELab	95.41, -29.25, 57.05
CIElCh	95, 64.109, 117.148
Yxy	88.5819, 0.3635, 0.4618
Android (android.graphics.Color)	4292804479 (0xFFDEFF7F)
YUV	230.5410, -51.0457, -7.4905
Hunter-Lab	94.1180, -32.4669, 44.7723

# Details

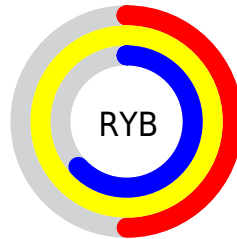
The Yxy color **88.5819, 0.3635, 0.4618** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **29.8778, 0.2385, 0.1776**, and the grayscale version is **79.9360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **48.8685, 0.3707, 0.4908** is the 20% darker color. If you saturate the color by 10%, you get **86.9858, 0.3703, 0.4859**, and if you desaturate by 10%, it is **90.3946, 0.3549, 0.4355**.

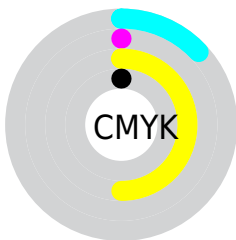
# Distribution



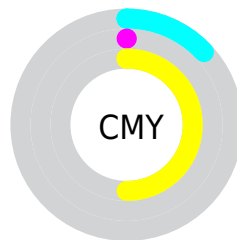
- Red (87%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (63%)



- Cyan (13%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5819, 0.3635, 0.4618 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 88.5819, 0.3635, 0.4618 by changing the saturation by 10% instead.




 88.5819, 0.3635,  
0.4618

 88.5819, 0.3635,  
0.4618


523.4070, 0.3440,  
0.4011


 66.8051, 0.3668,  
0.4750


 145.3670, 0.3576,  
0.4412

 48.9262, 0.3702,  
0.4909


 181.1441, 0.3551,  
0.4330

 34.5610, 0.3735,  
0.5103

 222.3567, 0.3528,  
0.4259

 23.3249, 0.3762,  
0.5340

269.3893, 0.3507,  
0.4197

 14.8336, 0.3767,  
0.5632

322.6262, 0.3488,  
0.4142

 8.7027, 0.3759,  
0.6047

382.4519, 0.3470,

 4.5478, 0.3571,

0.4094

0.6429

449.2507, 0.3454,  
0.4050

■ 1.9844, 0.3141,  
0.6859

■ 0.5984, 0.0000,  
1.0000

■ 88.5819, 0.3635,  
0.4618

■ 88.5819, 0.3635,  
0.4618

■ 86.9858, 0.3703,  
0.4859

■ 90.3946, 0.3549,  
0.4355

■ 85.5809, 0.3749,  
0.5066

■ 92.4240, 0.3450,  
0.4082

■ 84.3559, 0.3769,  
0.5229

■ 94.6850, 0.3345,  
0.3810

■ 83.2927, 0.3763,  
0.5345

■ 97.1879, 0.3236,  
0.3545

■ 82.3777, 0.3736,  
0.5416

99.9421, 0.3129,  
0.3294

99.9964, 0.3127,  
0.3290

# Harmonies

## Analogous

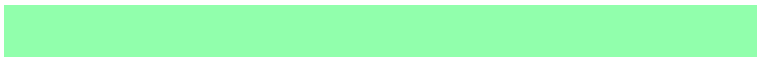
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5819, 0.4230, 0.4363



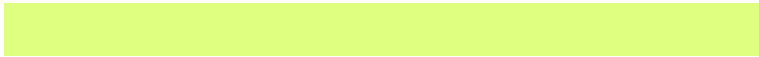
88.5819, 0.3635, 0.4618



88.5819, 0.2939, 0.4418

# Triad

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



88.5819, 0.3635, 0.4618



88.5819, 0.1876, 0.2473



88.5819, 0.3922, 0.2835

# Complementary

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



88.5819, 0.3635, 0.4618



29.8778, 0.2385, 0.1776

# 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.



88.5819, 0.3188, 0.2438



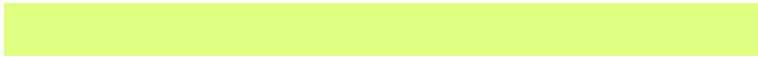
88.5819, 0.3635, 0.4618



88.5819, 0.2065, 0.2216

# Square

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



88.5819, 0.3635, 0.4618



88.5819, 0.1961, 0.3015



88.5819, 0.2516, 0.2217



88.5819, 0.4445, 0.3340



# Rectangle

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



88.5819, 0.3635, 0.4618



88.5819, 0.2513, 0.4017



88.5819, 0.2516, 0.2217



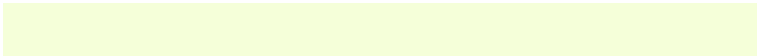
88.5819, 0.3686, 0.2687

# Sweetspot

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



88.5859, 0.3635, 0.4618



95.9563, 0.3289, 0.3671



47.5955, 0.4377, 0.3625



20.4266, 0.3312, 0.3727



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.



88.5859, 0.3635, 0.4618



87.0176, 0.3702, 0.4855



80.4226, 0.3225, 0.4813



20.8415, 0.3229, 0.3528



43.1217, 0.3744, 0.5410



4.2510, 0.3797, 0.5367



# Inverse Universe

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



29.8778, 0.2385, 0.1776



22.4204, 0.2207, 0.1461



38.0946, 0.2903, 0.1972



17.6038, 0.3019, 0.3047



4.4318, 0.1651, 0.0683

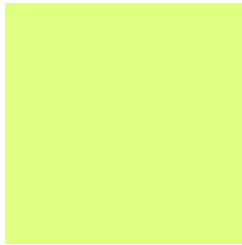


0.4812, 0.1762, 0.0744



# Previews

## White Background



This preview shows how the Yxy color 88.5819, 0.3635, 0.4618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

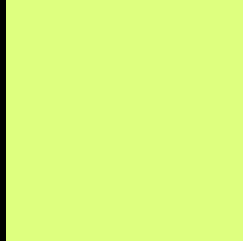
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5819, 0.3635, 0.4618 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

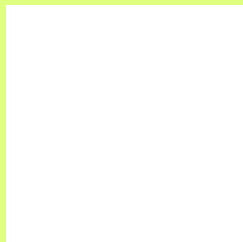
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.5819, 0.3635, 0.4618**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5819, 0.3635, 0.4618.

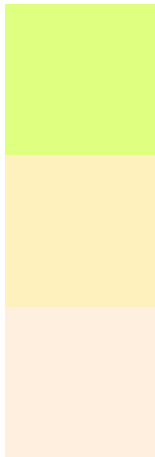


This preview shows how white text looks on a background with the Yxy color 88.5819, 0.3635, 0.4618.

# 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**

88.5819, 0.3635, 0.4618

**Protanopia**

87.8883, 0.3546, 0.3801

**Deuteranopia**

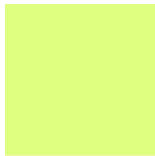
88.2669, 0.3342, 0.3459



## Tritanopia

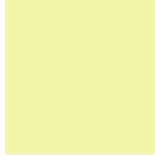
88.4813, 0.3031, 0.3151

# Trichromacy



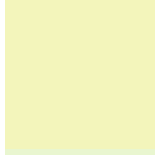
## Original Color

88.5819, 0.3635, 0.4618



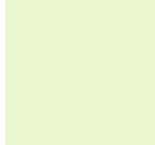
## Protanomaly

87.7562, 0.3592, 0.4099



## Deuteranomaly

87.9474, 0.3471, 0.3885



## Tritanomaly

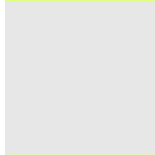
87.7892, 0.3272, 0.3685

# Monochromacy



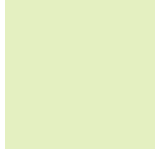
## Original Color

88.5819, 0.3635, 0.4618



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.6644, 0.3338, 0.3792

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5819, 0.3635, 0.4618 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, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 127)  
}
```

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, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5819, 0.3635, 0.4618 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, 255, 127) }
```

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

```
.border{ border-color:rgb(222, 255, 127) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5819, 0.3635, 0.4618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 127) }
```

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

```
.background{ background-color: rgb(222,  
255, 127) }
```

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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