

# Converting Colors

$Yxy(87.9039, 0.3675, 0.4688)$

Have a look what the booklet for  
Yxy(87.9039, 0.3675, 0.4688)  
contains.

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# Color

**Yxy(87.7451, 0.3676, 0.4682)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFE77
RGB	222, 254, 119
RGB Percent	87%, 100%, 47%
CMY	0.1295, 0.0039, 0.5331
CMYK	0.13, 0.00, 0.53, 0.00
HSL	74°, 99%, 73%
HSV	74°, 53%, 100%
XYZ	68.8917, 87.7451, 30.7726
YIQ	229.0420, 24.2630, -48.7690

# Conversions

## Conversions Part 2

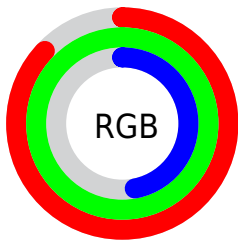
Format	Color
R <sub>Y</sub> B	119, 254, 151
Decimal	14614135
CIE Lab	95.05, -29.54, 60.22
CIE LCh	95, 67.077, 116.130
Yxy	87.7451, 0.3676, 0.4682
Android (android.graphics.Color)	4292804215 (0xFFDEF77)
YUV	229.0420, -54.2507, -6.1758
Hunter-Lab	93.6724, -32.6481, 46.0931

# Details

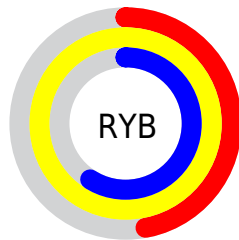
The Yxy color **87.7451, 0.3676, 0.4682** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **26.9496, 0.2312, 0.1671**, and the grayscale version is **78.7829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8360, 0.3608, 0.4086**, and **48.1952, 0.3746, 0.4987** is the 20% darker color. If you saturate the color by 10%, you get **86.2827, 0.3742, 0.4910**, and if you desaturate by 10%, it is **89.4125, 0.3591, 0.4428**.

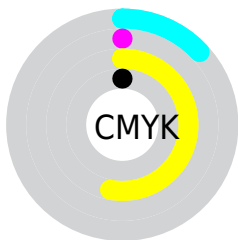
# Distribution



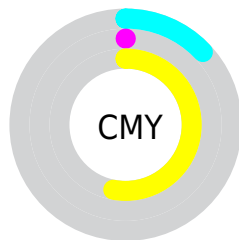
- Red (87%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (59%)



- Cyan (13%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7451, 0.3676, 0.4682 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 87.7451, 0.3676, 0.4682 by changing the saturation by 10% instead.





 87.7451, 0.3676,  
0.4682


 87.7451, 0.3676,  
0.4682


520.6681, 0.3467,  
0.4047


 66.1120, 0.3710,  
0.4819


 144.2022, 0.3614,  
0.4467

 48.3633, 0.3746,  
0.4984


 179.7950, 0.3587,  
0.4382

 34.1147, 0.3778,  
0.5182

 220.8099, 0.3562,  
0.4307

 22.9817, 0.3802,  
0.5422

267.6311, 0.3539,  
0.4242

 14.5800, 0.3799,  
0.5713

320.6432, 0.3518,  
0.4185

 8.5252, 0.3811,  
0.6178

380.2304, 0.3500,

 4.4328, 0.3546,

0.4134

0.6454

446.7773, 0.3482,  
0.4088

■ 1.9185, 0.3103,  
0.6897

■ 0.5595, 0.0000,  
1.0000

■ 87.7451, 0.3676,  
0.4682

■ 87.7451, 0.3676,  
0.4682

■ 86.2827, 0.3742,  
0.4910

■ 89.4125, 0.3591,  
0.4428

■ 84.9999, 0.3784,  
0.5101


■ 91.2853, 0.3492,  
0.4160

■ 83.8847, 0.3799,  
0.5246

■ 93.3785, 0.3384,  
0.3888

■ 82.9183, 0.3789,  
0.5344

■ 95.7023, 0.3273,  
0.3621

 82.3218, 0.3771,  
0.5388

 98.2662, 0.3161,  
0.3367

99.3707, 0.3128,  
0.3281

# Harmonies

## Analogous

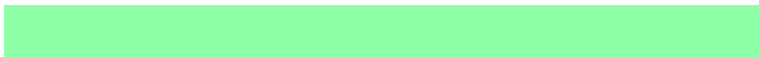
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7451, 0.4293, 0.4391



87.7451, 0.3676, 0.4682



87.7451, 0.2950, 0.4498

# Triad

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



87.7451, 0.3676, 0.4682



87.7451, 0.1822, 0.2447



87.7451, 0.3937, 0.2797

# Complementary

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



87.7451, 0.3676, 0.4682



26.9496, 0.2312, 0.1671

# 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.



87.7451, 0.3162, 0.2391



87.7451, 0.3676, 0.4682



87.7451, 0.2008, 0.2174

# Square

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



87.7451, 0.3676, 0.4682



87.7451, 0.1919, 0.3022



87.7451, 0.2467, 0.2169



87.7451, 0.4498, 0.3317



# Rectangle

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



87.7451, 0.3676, 0.4682



87.7451, 0.2502, 0.4082



87.7451, 0.2467, 0.2169



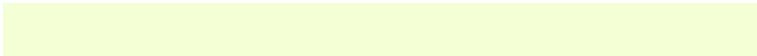
87.7451, 0.3686, 0.2645

# Sweetspot

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



87.7490, 0.3676, 0.4682



95.8543, 0.3305, 0.3697



44.3916, 0.4498, 0.3617



20.4123, 0.3328, 0.3752



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.



87.7490, 0.3676, 0.4682



86.9274, 0.3746, 0.4928



79.1963, 0.3239, 0.4904



20.8607, 0.3232, 0.3527



43.4679, 0.3778, 0.5382



4.2821, 0.3827, 0.5343



# Inverse Universe

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



26.9496, 0.2312, 0.1671



19.6285, 0.2111, 0.1330



35.2706, 0.2865, 0.1892



17.5858, 0.3016, 0.3047



4.3396, 0.1631, 0.0672

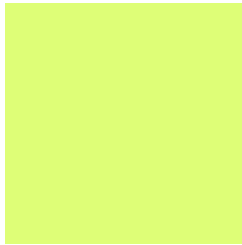


0.4700, 0.1737, 0.0731



# Previews

## White Background



This preview shows how the Yxy color 87.7451, 0.3676, 0.4682 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

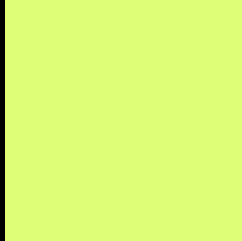
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.7451, 0.3676, 0.4682 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

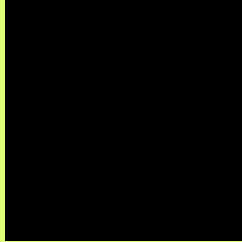
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.7451, 0.3676, 0.4682**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.7451, 0.3676, 0.4682.

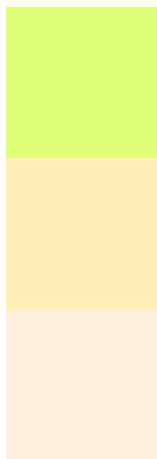


This preview shows how white text looks on a background with the Yxy color 87.7451, 0.3676, 0.4682.

# 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

87.7451, 0.3676, 0.4682

### Protanopia

87.0409, 0.3587, 0.3852

### Deuteranopia

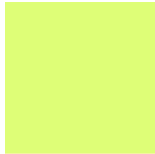
87.5235, 0.3363, 0.3479



## Tritanopia

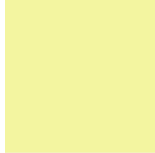
87.3037, 0.3031, 0.3131

# Trichromacy



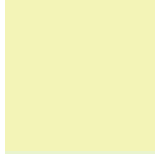
## Original Color

87.7451, 0.3676, 0.4682



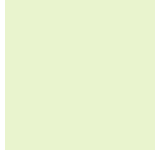
## Protanomaly

86.8976, 0.3636, 0.4160



## Deuteranomaly

87.1750, 0.3498, 0.3917



## Tritanomaly

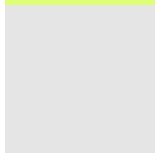
86.4812, 0.3286, 0.3686

# Monochromacy



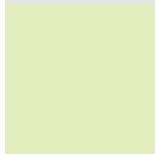
## Original Color

87.7451, 0.3676, 0.4682



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.9919, 0.3353, 0.3818

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.7451, 0.3676, 0.4682 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, 254, 119)` looks like.

```
.text, #text, p{  
    color:rgb(222, 254, 119)  
}
```

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, 254, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 254, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 87.7451, 0.3676, 0.4682 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, 254, 119) }
```

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

```
.border{ border-color:rgb(222, 254, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 254, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 254, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 254, 119);  
box-shadow:4px 4px 4px 4px rgb(222, 254,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.7451, 0.3676, 0.4682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 254, 119) }
```

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

```
.background{ background-color: rgb(222,  
254, 119) }
```

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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