

# Converting Colors

Yxy(87.4634, 0.3667, 0.4762)

Have a look what the booklet for  
Yxy(87.4634, 0.3667, 0.4762)  
contains.

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# Color

**Yxy(87.4640, 0.3665, 0.4759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9FF71
RGB	217, 255, 113
RGB Percent	85%, 100%, 44%
CMY	0.1490, 0.0000, 0.5567
CMYK	0.15, 0.00, 0.56, 0.00
HSL	76°, 100%, 72%
HSV	76°, 56%, 100%
XYZ	67.3578, 87.4640, 28.9648
YIQ	227.4500, 22.9340, -52.2180

# Conversions

## Conversions Part 2

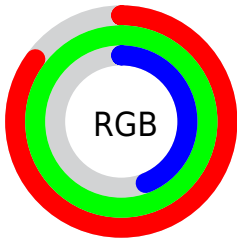
Format	Color
<a href="#">RYB</a>	<a href="#">113, 255, 151</a>
Decimal	<a href="#">14286705</a>
CIELab	<a href="#">94.93, -32.39, 62.64</a>
CIElCh	<a href="#">95, 70.517, 117.341</a>
Yxy	<a href="#">87.4640, 0.3665, 0.4759</a>
Android (android.graphics.Color)	<a href="#">4292476785 (0xFFD9FF71)</a>
YUV	<a href="#">227.4500, -56.4238, -9.1646</a>
Hunter-Lab	<a href="#">93.5222, -35.1023, 47.1028</a>

# Details

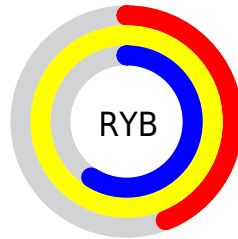
The Yxy color **87.4640, 0.3665, 0.4759** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **25.6214, 0.2296, 0.1602**, and the grayscale version is **77.5703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6446, 0.3638, 0.4134**, and **48.0545, 0.3725, 0.5081** is the 20% darker color. If you saturate the color by 10%, you get **85.9444, 0.3720, 0.4985**, and if you desaturate by 10%, it is **89.1902, 0.3590, 0.4505**.

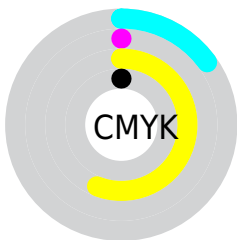
# Distribution



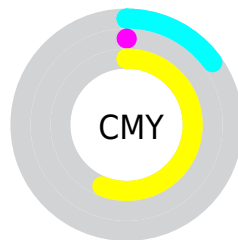
- Red (85%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (59%)



- Cyan (15%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4640, 0.3665, 0.4759 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 87.4640, 0.3665, 0.4759 by changing the saturation by 10% instead.



 87.4640, 0.3665,  
0.4759


 87.4640, 0.3665,  
0.4759


519.7463, 0.3465,  
0.4088

 65.8793, 0.3696,  
0.4904

 143.8107, 0.3607,  
0.4532

 48.1744, 0.3726,  
0.5077


 179.3414, 0.3581,  
0.4441

 33.9650, 0.3751,  
0.5286


 220.2897, 0.3558,  
0.4363

 22.8667, 0.3762,  
0.5538

267.0397, 0.3536,  
0.4294

 14.4951, 0.3741,  
0.5841

319.9760, 0.3516,  
0.4233

 8.4658, 0.3706,  
0.6294

379.4830, 0.3498,

 4.3944, 0.3409,

0.4179

0.6591

445.9449, 0.3481,  
0.4131

■ 1.8966, 0.2916,  
0.7084

■ 0.5463, 0.0000,  
1.0000

■ 87.4640, 0.3665,  
0.4759

■ 87.4640, 0.3665,  
0.4759

■ 85.9444, 0.3720,  
0.4985

■ 89.1902, 0.3590,  
0.4505

■ 84.6139, 0.3750,  
0.5171

■ 91.1328, 0.3499,  
0.4235

■ 83.4569, 0.3753,  
0.5310

■ 93.3044, 0.3399,  
0.3960

■ 82.4527, 0.3732,  
0.5401

■ 95.7156, 0.3293,  
0.3689

 82.0526, 0.3718,  
0.5430

 98.3764, 0.3187,  
0.3430

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

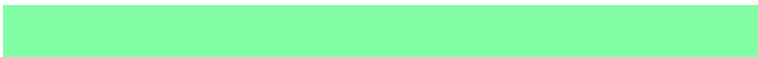
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4640, 0.4322, 0.4455



87.4640, 0.3665, 0.4759



87.4640, 0.2905, 0.4549

# Triad

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



87.4640, 0.3665, 0.4759



87.4640, 0.1768, 0.2386



87.4640, 0.4008, 0.2792

# Complementary

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



87.4640, 0.3665, 0.4759



25.6214, 0.2296, 0.1602

# 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.



87.4640, 0.3195, 0.2366



87.4640, 0.3665, 0.4759



87.4640, 0.1973, 0.2118

# Square

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



87.4640, 0.3665, 0.4759



87.4640, 0.1854, 0.2972



87.4640, 0.2459, 0.2126



87.4640, 0.4585, 0.3334



# Rectangle

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



87.4640, 0.3665, 0.4759



87.4640, 0.2442, 0.4095



87.4640, 0.2459, 0.2126



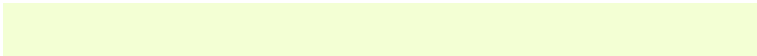
87.4640, 0.3746, 0.2633

# Sweetspot

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



87.4650, 0.3665, 0.4759



95.3811, 0.3307, 0.3725



44.5523, 0.4563, 0.3678



20.3090, 0.3329, 0.3779



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.



87.4650, 0.3665, 0.4759



85.7570, 0.3725, 0.5012



78.8390, 0.3211, 0.5001



20.8319, 0.3228, 0.3528



42.9513, 0.3726, 0.5423



4.2356, 0.3781, 0.5380



# Inverse Universe

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



25.6214, 0.2296, 0.1602



18.3204, 0.2094, 0.1261



34.5485, 0.2890, 0.1847



17.6129, 0.3021, 0.3047



4.4814, 0.1662, 0.0689

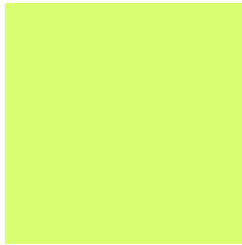


0.4871, 0.1774, 0.0751



# Previews

## White Background



This preview shows how the Yxy color 87.4640, 0.3665, 0.4759 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

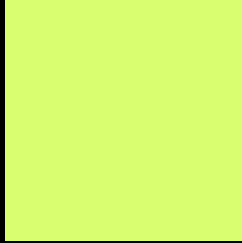
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.4640, 0.3665, 0.4759 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

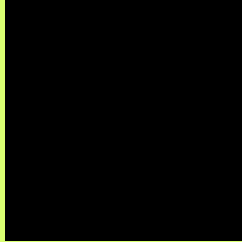
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.4640, 0.3665, 0.4759**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.4640, 0.3665, 0.4759.

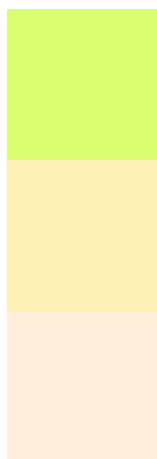


This preview shows how white text looks on a background with the Yxy color 87.4640, 0.3665, 0.4759.

# 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

87.4640, 0.3665, 0.4759

### Protanopia

86.9164, 0.3606, 0.3882

### Deuteranopia

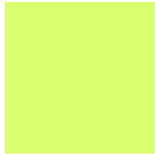
86.8381, 0.3377, 0.3489



## Tritanopia

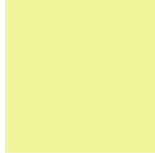
87.2023, 0.3006, 0.3140

# Trichromacy



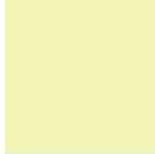
## Original Color

87.4640, 0.3665, 0.4759



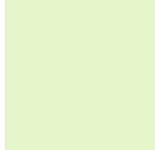
## Protanomaly

86.4059, 0.3646, 0.4204



## Deuteranomaly

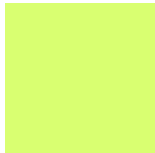
86.6568, 0.3509, 0.3961



## Tritanomaly

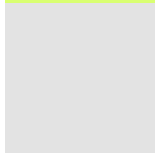
86.1106, 0.3270, 0.3733

# Monochromacy



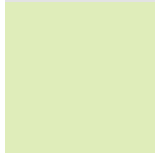
## Original Color

87.4640, 0.3665, 0.4759



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

79.8015, 0.3352, 0.3845

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.4640, 0.3665, 0.4759 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(217, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 113)  
}
```

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(217, 255, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 87.4640, 0.3665, 0.4759 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(217, 255, 113) }
```

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

```
.border{ border-color:rgb(217, 255, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.4640, 0.3665, 0.4759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 113) }
```

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

```
.background{ background-color: rgb(217,  
255, 113) }
```

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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