

# Converting Colors

Yxy(88.8529, 0.3866, 0.4924)

Have a look what the booklet for  
Yxy(88.8529, 0.3866, 0.4924)  
contains.

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**Color**

**Yxy(88.8181, 0.3863, 0.4925)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5FF54
RGB	229, 255, 84
RGB Percent	90%, 100%, 33%
CMY	0.1021, 0.0000, 0.6706
CMYK	0.10, 0.00, 0.67, 0.00
HSL	69°, 100%, 66%
HSV	69°, 67%, 100%
XYZ	69.6659, 88.8181, 21.8574
YIQ	227.7320, 39.3950, -58.6930

# Conversions

## Conversions Part 2

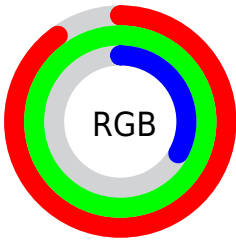
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 255, 110
Decimal	15073108
CIELab	95.50, -29.81, 75.14
CIELCh	96, 80.840, 111.638
Yxy	88.8181, 0.3863, 0.4925
Android (android.graphics.Color)	4293263188 (0xFFE5FF54)
YUV	227.7320, -70.8599, 1.1120
Hunter-Lab	94.2434, -32.9765, 52.2195

# Details

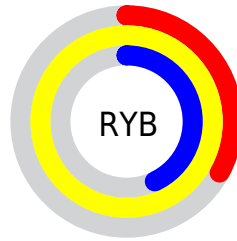
The Yxy color **88.8181, 0.3863, 0.4925** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **16.8768, 0.1962, 0.1197**, and the grayscale version is **77.8751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7330, 0.3788, 0.4382**, and **48.9452, 0.3940, 0.5241** is the 20% darker color. If you saturate the color by 10%, you get **87.8522, 0.3910, 0.5080**, and if you desaturate by 10%, it is **89.9334, 0.3791, 0.4728**.

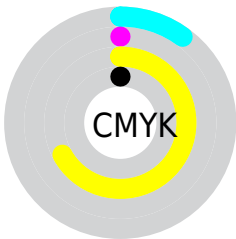
# Distribution



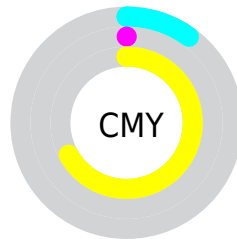
- Red (90%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (43%)



- Cyan (10%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8181, 0.3863, 0.4925 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 88.8181, 0.3863, 0.4925 by changing the saturation by 10% instead.





 88.8181, 0.3863,  
0.4925

 88.8181, 0.3863,  
0.4925


524.1786, 0.3596,  
0.4202


 67.0008, 0.3901,  
0.5072


 145.6956, 0.3788,  
0.4687


 49.0853, 0.3937,  
0.5243


 181.5246, 0.3754,  
0.4590

 34.6871, 0.3963,  
0.5440

 222.7929, 0.3722,  
0.4505

 23.4220, 0.3968,  
0.5665

 269.8850, 0.3693,  
0.4430

 14.9054, 0.3955,  
0.5952

323.1852, 0.3665,  
0.4363

 8.7530, 0.3815,  
0.6185

383.0780, 0.3640,

 4.5804, 0.3549,

0.4304

0.6451

449.9476, 0.3617,  
0.4250

■ 2.0033, 0.3112,  
0.6888

■ 0.6094, 0.0000,  
1.0000

■ 88.8181, 0.3863,  
0.4925

■ 88.8181, 0.3863,  
0.4925

■ 87.8522, 0.3910,  
0.5080

■ 89.9334, 0.3791,  
0.4728

■ 87.0342, 0.3930,  
0.5189

■ 91.2277, 0.3697,  
0.4499

■ 86.3378, 0.3926,  
0.5254

■ 92.7084, 0.3587,  
0.4248

■ 86.1468, 0.3922,  
0.5268

■ 94.3870, 0.3467,  
0.3985

 96.2736, 0.3341,  
0.3722

 98.3781, 0.3215,  
0.3465

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.



88.8181, 0.4565, 0.4467



88.8181, 0.3863, 0.4925



88.8181, 0.3017, 0.4851

# Triad

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



88.8181, 0.3863, 0.4925



88.8181, 0.1609, 0.2357



88.8181, 0.3959, 0.2625

# Complementary

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



88.8181, 0.3863, 0.4925



16.8768, 0.1962, 0.1197

# 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.



88.8181, 0.3022, 0.2192



88.8181, 0.3863, 0.4925



88.8181, 0.1774, 0.2010

# Square

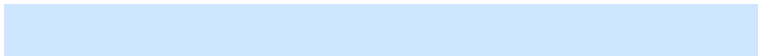
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.8181, 0.3863, 0.4925



88.8181, 0.1757, 0.3078



88.8181, 0.2246, 0.1973



88.8181, 0.4701, 0.3199



# Rectangle

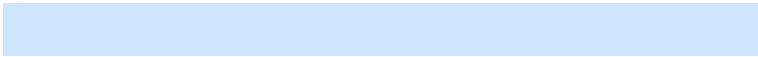
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8181, 0.3863, 0.4925



88.8181, 0.2479, 0.4396



88.8181, 0.2246, 0.1973



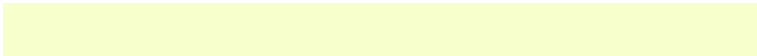
88.8181, 0.3647, 0.2461

# Sweetspot

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



88.8130, 0.3863, 0.4925



95.6968, 0.3378, 0.3799



32.9758, 0.5171, 0.3525



20.3687, 0.3414, 0.3873



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.



88.8130, 0.3863, 0.4925



87.5977, 0.3919, 0.5117



78.0756, 0.3304, 0.5283



20.9425, 0.3245, 0.3526



45.0665, 0.3926, 0.5264



4.4242, 0.3959, 0.5239



# Inverse Universe

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



16.8768, 0.1962, 0.1197



11.3839, 0.1751, 0.0878



25.1820, 0.2635, 0.1516



17.5104, 0.3002, 0.3046



4.0355, 0.1561, 0.0634

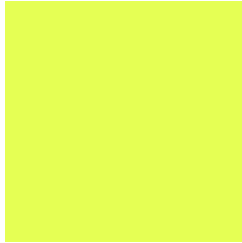


0.4299, 0.1648, 0.0681



# Previews

## White Background



This preview shows how the Yxy color 88.8181, 0.3863, 0.4925 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 88.8181, 0.3863, 0.4925 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 88.8181, 0.3863, 0.4925**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8181, 0.3863, 0.4925.

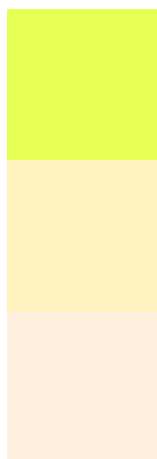


This preview shows how white text looks on a background with the Yxy color 88.8181, 0.3863, 0.4925.

# 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

88.8181, 0.3863, 0.4925

### Protanopia

88.4820, 0.3543, 0.3810

### Deuteranopia

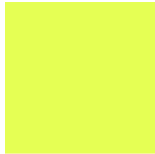
88.2135, 0.3348, 0.3469



## Tritanopia

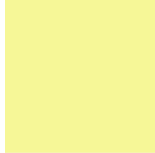
88.5458, 0.3076, 0.3133

# Trichromacy



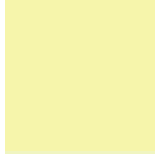
## Original Color

88.8181, 0.3863, 0.4925



## Protanomaly

88.3487, 0.3704, 0.4258



## Deuteranomaly

87.8379, 0.3591, 0.4044



## Tritanomaly

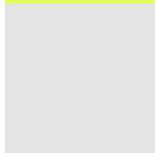
87.6803, 0.3413, 0.3826

# Monochromacy



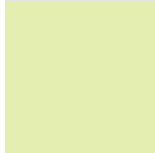
## Original Color

88.8181, 0.3863, 0.4925



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

80.7776, 0.3449, 0.3957

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8181, 0.3863, 0.4925 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(229, 255, 84)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 84)  
}
```

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(229, 255, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8181, 0.3863, 0.4925 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(229, 255, 84) }
```

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

```
.border{ border-color:rgb(229, 255, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 84);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
84) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8181, 0.3863, 0.4925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 84) }
```

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

```
.background{ background-color: rgb(229,  
255, 84) }
```

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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