

# Converting Colors

$Yxy(89.0517, 0.3792, 0.4803)$

Have a look what the booklet for  
Yxy(89.0517, 0.3792, 0.4803)  
contains.

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**Color**

**Yxy(88.9733, 0.3789, 0.4805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FF66
RGB	228, 255, 102
RGB Percent	89%, 100%, 40%
CMY	0.1057, 0.0000, 0.6002
CMYK	0.11, 0.00, 0.60, 0.00
HSL	71°, 100%, 70%
HSV	71°, 60%, 100%
XYZ	70.1602, 88.9733, 26.0346
YIQ	229.4850, 33.0210, -53.3070

# Conversions

## Conversions Part 2

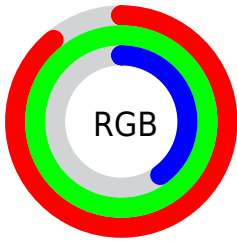
Format	Color
<a href="#">RYB</a>	<a href="#">102, 255, 129</a>
Decimal	<a href="#">15007590</a>
CIELab	<a href="#">95.57, -29.02, 68.23</a>
CIELCh	<a href="#">96, 74.143, 113.046</a>
Yxy	<a href="#">88.9733, 0.3789, 0.4805</a>
Android (android.graphics.Color)	<a href="#">4293197670 (0xFFE4FF66)</a>
YUV	<a href="#">229.4850, -62.8501, -1.3023</a>
Hunter-Lab	<a href="#">94.3257, -32.3001, 49.6634</a>

# Details

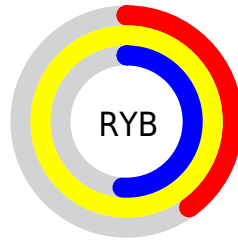
The Yxy color **88.9733, 0.3789, 0.4805** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **21.3759, 0.2119, 0.1423**, and the grayscale version is **79.1886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **49.1086, 0.3871, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **87.8216, 0.3850, 0.4995**, and if you desaturate by 10%, it is **90.3076, 0.3706, 0.4580**.

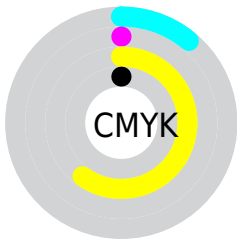
# Distribution



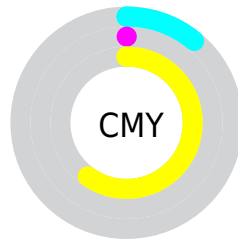
- Red (89%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (51%)



- Cyan (11%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9733, 0.3789, 0.4805 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 88.9733, 0.3789, 0.4805 by changing the saturation by 10% instead.





 88.9733, 0.3789,  
0.4805

 88.9733, 0.3789,  
0.4805


524.6854, 0.3542,  
0.4126

 67.1294, 0.3828,  
0.4947


 145.9114, 0.3717,  
0.4578


 49.1898, 0.3866,  
0.5115


 181.7745, 0.3685,  
0.4487

 34.7701, 0.3899,  
0.5312


 223.0794, 0.3656,  
0.4408

 23.4858, 0.3917,  
0.5543

 270.2105, 0.3629,  
0.4338

 14.9526, 0.3904,  
0.5815

323.5523, 0.3604,  
0.4276

 8.7862, 0.3845,  
0.6155


383.4891, 0.3581,


 4.6020, 0.3587,


0.4220


0.6413


450.4053, 0.3561,  
0.4171

 2.0157, 0.3164,  
0.6836

 0.6166, 0.0000,  
1.0000

 88.9733, 0.3789,  
0.4805


 88.9733, 0.3789,  
0.4805


 87.8216, 0.3850,  
0.4995


 90.3076, 0.3706,  
0.4580


 86.8256, 0.3884,  
0.5142

 91.8256, 0.3604,  
0.4330

 85.9715, 0.3893,  
0.5243

 93.5430, 0.3491,  
0.4067

 85.2313, 0.3879,  
0.5302

 95.4705, 0.3370,  
0.3801

 97.6179, 0.3248,  
0.3540

99.9945, 0.3127,  
0.3290

99.9988, 0.3127,  
0.3290

# Harmonies

## Analogous

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



88.9733, 0.4444, 0.4423



88.9733, 0.3789, 0.4805



88.9733, 0.3002, 0.4685

# Triad

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



88.9733, 0.3789, 0.4805



88.9733, 0.1712, 0.2412



88.9733, 0.3932, 0.2699

# Complementary

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



88.9733, 0.3789, 0.4805



21.3759, 0.2119, 0.1423

# 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.



88.9733, 0.3074, 0.2282



88.9733, 0.3789, 0.4805



88.9733, 0.1881, 0.2094

# Square

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



88.9733, 0.3789, 0.4805



88.9733, 0.1842, 0.3067



88.9733, 0.2341, 0.2066



88.9733, 0.4592, 0.3245



# Rectangle

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



88.9733, 0.3789, 0.4805



88.9733, 0.2506, 0.4255



88.9733, 0.2341, 0.2066



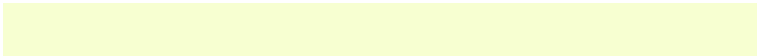
88.9733, 0.3650, 0.2541

# Sweetspot

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



88.9773, 0.3789, 0.4805



95.8869, 0.3346, 0.3747



37.5178, 0.4843, 0.3543



20.3962, 0.3381, 0.3824



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.



88.9773, 0.3789, 0.4805



87.6132, 0.3859, 0.5028



79.2470, 0.3294, 0.5090



20.9194, 0.3242, 0.3527



44.5950, 0.3884, 0.5298



4.3826, 0.3922, 0.5268



# Inverse Universe

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



21.3759, 0.2119, 0.1423



14.7054, 0.1901, 0.1075



29.5502, 0.2725, 0.1688



17.5315, 0.3006, 0.3046



4.1075, 0.1578, 0.0643

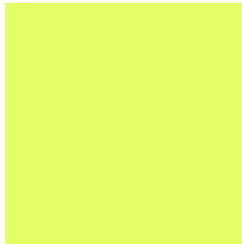


0.4401, 0.1670, 0.0694



# Previews

## White Background



This preview shows how the Yxy color 88.9733, 0.3789, 0.4805 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

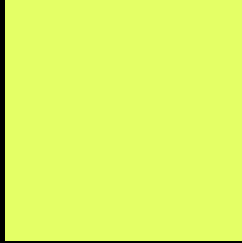
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.9733, 0.3789, 0.4805 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 88.9733, 0.3789, 0.4805**

## Background



This preview shows how black text looks on a background with the Yxy color 88.9733, 0.3789, 0.4805.

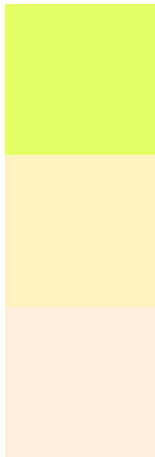


This preview shows how white text looks on a background with the Yxy color 88.9733, 0.3789, 0.4805.

# 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

88.9733, 0.3789, 0.4805

### Protanopia

88.5700, 0.3531, 0.3790

### Deuteranopia

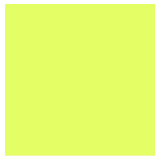
88.2669, 0.3342, 0.3459



## Tritanopia

88.7733, 0.3063, 0.3143

# Trichromacy



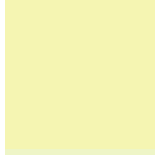
## Original Color

88.9733, 0.3789, 0.4805



## Protanomaly

88.4372, 0.3650, 0.4183



## Deuteranomaly

87.9316, 0.3541, 0.3975



## Tritanomaly

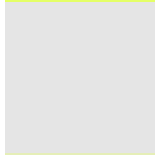
87.6055, 0.3362, 0.3766

# Monochromacy



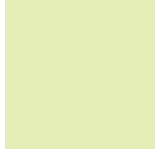
## Original Color

88.9733, 0.3789, 0.4805



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

81.2260, 0.3412, 0.3879

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.9733, 0.3789, 0.4805 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(228, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 102)  
}
```

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(228, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 88.9733, 0.3789, 0.4805 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(228, 255, 102) }
```

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

```
.border{ border-color:rgb(228, 255, 102) }
```

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

Here you see how a box with a 4 pixel rgb(228, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.9733, 0.3789, 0.4805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 102) }
```

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

```
.background{ background-color: rgb(228,  
255, 102) }
```

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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