

# Converting Colors

$Yxy(88.5727, 0.3771, 0.4815)$

Have a look what the booklet for  
Yxy(88.5727, 0.3771, 0.4815)  
contains.

<b>Yxy(88.4869, 0.3768, 0.4817)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(88.4869, 0.3768, 0.4817)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FF66
RGB	225, 255, 102
RGB Percent	88%, 100%, 40%
CMY	0.1175, 0.0000, 0.6001
CMYK	0.12, 0.00, 0.60, 0.00
HSL	72°, 100%, 70%
HSV	72°, 60%, 100%
XYZ	69.2171, 88.4869, 25.9931
YIQ	228.5880, 31.2330, -53.9430

# Conversions

## Conversions Part 2

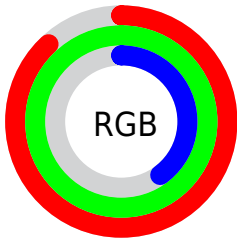
Format	Color
<a href="#">RYB</a>	<a href="#">102, 255, 132</a>
Decimal	<a href="#">14810982</a>
CIELab	<a href="#">95.37, -30.18, 67.94</a>
CIELCh	<a href="#">95, 74.342, 113.952</a>
Yxy	<a href="#">88.4869, 0.3768, 0.4817</a>
Android (android.graphics.Color)	<a href="#">4293001062 (0xFFE1FF66)</a>
YUV	<a href="#">228.5880, -62.4079, -3.1467</a>
Hunter-Lab	<a href="#">94.0675, -33.2736, 49.4640</a>

# Details

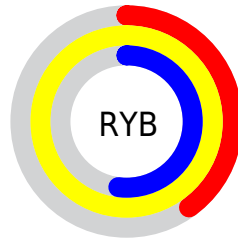
The Yxy color **88.4869, 0.3768, 0.4817** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **21.6168, 0.2139, 0.1432**, and the grayscale version is **78.4906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **48.7781, 0.3844, 0.5128** is the 20% darker color. If you saturate the color by 10%, you get **87.2696, 0.3825, 0.5012**, and if you desaturate by 10%, it is **89.8911, 0.3688, 0.4588**.

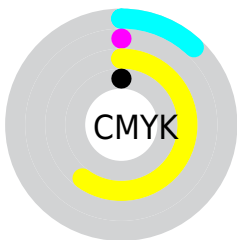
# Distribution



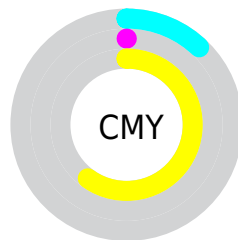
- Red (88%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (52%)



- Cyan (12%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4869, 0.3768, 0.4817 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 88.4869, 0.3768, 0.4817 by changing the saturation by 10% instead.




 88.4869, 0.3768,  
0.4817


 88.4869, 0.3768,  
0.4817


523.0964, 0.3530,  
0.4130


 66.7264, 0.3805,  
0.4962


 145.2348, 0.3699,  
0.4587


 48.8623, 0.3840,  
0.5132

 180.9910, 0.3669,  
0.4495

 34.5103, 0.3870,  
0.5334


 222.1813, 0.3640,  
0.4415

 23.2859, 0.3884,  
0.5571

 269.1899, 0.3614,  
0.4344

 14.8047, 0.3866,  
0.5850

322.4013, 0.3590,  
0.4281

 8.6825, 0.3798,  
0.6202


382.2000, 0.3569,


 4.5346, 0.3527,


0.4225


0.6473


448.9702, 0.3549,  
0.4175


 1.9769, 0.3082,  
0.6918


 0.5940, 0.0000,  
1.0000


 88.4869, 0.3768,  
0.4817


 88.4869, 0.3768,  
0.4817

 87.2696, 0.3825,  
0.5012


 89.8911, 0.3688,  
0.4588


 86.2124, 0.3856,  
0.5163

 91.4835, 0.3590,  
0.4335

 85.3013, 0.3861,  
0.5267

 93.2797, 0.3480,  
0.4069

 84.5081, 0.3844,  
0.5330

 95.2906, 0.3364,  
0.3802

 97.5260, 0.3245,  
0.3540

99.9951, 0.3127,  
0.3290

99.9986, 0.3127,  
0.3290

# Harmonies

## Analogous

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



88.4869, 0.4433, 0.4442



88.4869, 0.3768, 0.4817



88.4869, 0.2977, 0.4678

# Triad

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



88.4869, 0.3768, 0.4817



88.4869, 0.1708, 0.2393



88.4869, 0.3960, 0.2711

# Complementary

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



88.4869, 0.3768, 0.4817



21.6168, 0.2139, 0.1432

# 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.



88.4869, 0.3099, 0.2289



88.4869, 0.3768, 0.4817



88.4869, 0.1886, 0.2084

# Square

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



88.4869, 0.3768, 0.4817



88.4869, 0.1829, 0.3041



88.4869, 0.2356, 0.2065



88.4869, 0.4612, 0.3262



# Rectangle

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



88.4869, 0.3768, 0.4817



88.4869, 0.2482, 0.4235



88.4869, 0.2356, 0.2065



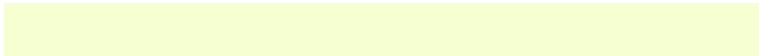
88.4869, 0.3678, 0.2552

# Sweetspot

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



88.4909, 0.3768, 0.4817



95.7237, 0.3340, 0.3748



38.1904, 0.4823, 0.3568



20.3559, 0.3374, 0.3825



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.



88.4909, 0.3768, 0.4817



87.0485, 0.3833, 0.5045



79.0022, 0.3279, 0.5099



20.9005, 0.3239, 0.3527



44.2218, 0.3850, 0.5325



4.3495, 0.3891, 0.5292



# Inverse Universe

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



21.6168, 0.2139, 0.1432



14.9248, 0.1923, 0.1086



29.9160, 0.2748, 0.1698



17.5489, 0.3009, 0.3046



4.1742, 0.1593, 0.0651

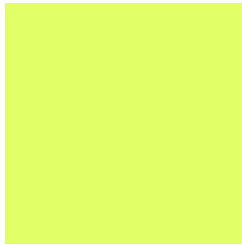


0.4490, 0.1691, 0.0705



# Previews

## White Background



This preview shows how the Yxy color 88.4869, 0.3768, 0.4817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

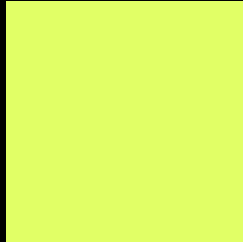
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.4869, 0.3768, 0.4817 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 88.4869, 0.3768, 0.4817**

## Background



This preview shows how black text looks on a background with the Yxy color 88.4869, 0.3768, 0.4817.

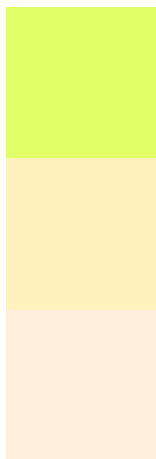


This preview shows how white text looks on a background with the Yxy color 88.4869, 0.3768, 0.4817.

# 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

88.4869, 0.3768, 0.4817

### Protanopia

87.8014, 0.3559, 0.3821

### Deuteranopia

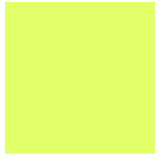
88.1603, 0.3355, 0.3479



## Tritanopia

87.8302, 0.3050, 0.3132

# Trichromacy



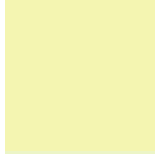
## Original Color

88.4869, 0.3768, 0.4817



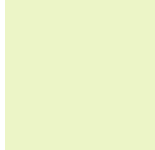
## Protanomaly

87.5790, 0.3658, 0.4196



## Deuteranomaly

87.7122, 0.3540, 0.3986



## Tritanomaly

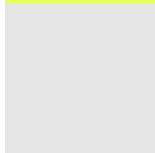
87.2612, 0.3349, 0.3768

# Monochromacy



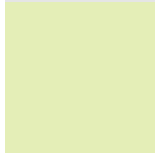
## Original Color

88.4869, 0.3768, 0.4817



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

81.0619, 0.3405, 0.3881

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.4869, 0.3768, 0.4817 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(225, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 88.4869, 0.3768, 0.4817 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(225, 255, 102) }
```

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

```
.border{ border-color:rgb(225, 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(225, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.4869, 0.3768, 0.4817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 102) }
```

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

```
.background{ background-color: rgb(225,  
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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