

# Converting Colors

$Yxy(85.9529, 0.3800, 0.5106)$

Have a look what the booklet for  
Yxy(85.9529, 0.3800, 0.5106)  
contains.

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# Color

**Yxy(85.9104, 0.3799, 0.5108)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4FF42
RGB	212, 255, 66
RGB Percent	83%, 100%, 26%
CMY	0.1687, 0.0000, 0.7408
CMYK	0.17, 0.00, 0.74, 0.00
HSL	74°, 100%, 63%
HSV	74°, 74%, 100%
XYZ	63.8946, 85.9104, 18.3829
YIQ	220.5970, 35.0410, -67.8950

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">66, 255, 109</a>
Decimal	<a href="#">13958978</a>
CIELab	<a href="#">94.27, -37.31, 79.59</a>
CIELCh	<a href="#">94, 87.902, 115.119</a>
Yxy	<a href="#">85.9104, 0.3799, 0.5108</a>
Android (android.graphics.Color)	<a href="#">4292149058</a> ( <a href="#">0xFFD4FF42</a> )
YUV	<a href="#">220.5970, -76.2163, -7.5396</a>
Hunter-Lab	<a href="#">92.6879, -39.1544, 53.1224</a>

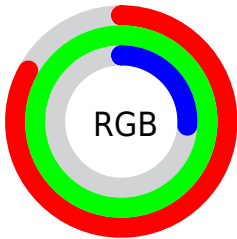
# Details

The Yxy color **85.9104, 0.3799, 0.5108** is a light color, and the websafe version is hex **CCFF33**.

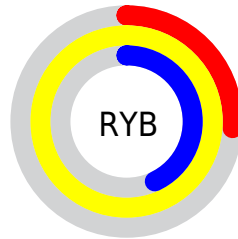
The color can be described as light washed yellow. A complement of this color would be **14.3859, 0.1926, 0.1052**, and the grayscale version is **72.5401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3123, 0.3864, 0.4509**, and **47.1605, 0.3795, 0.5369** is the 20% darker color. If you saturate the color by 10%, you get **84.8253, 0.3814, 0.5247**, and if you desaturate by 10%, it is **87.1595, 0.3758, 0.4923**.

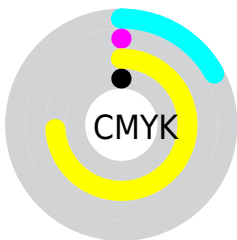
# Distribution



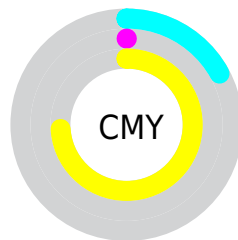
- Red (83%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (43%)



- Cyan (17%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9104, 0.3799, 0.5108 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 85.9104, 0.3799, 0.5108 by changing the saturation by 10% instead.




 85.9104, 0.3799,  
0.5108

 85.9104, 0.3799,  
0.5108


514.6357, 0.3575,  
0.4294

 64.5939, 0.3823,  
0.5274


 141.6444, 0.3742,  
0.4839

 47.1319, 0.3839,  
0.5466

 176.8308, 0.3714,  
0.4730

 33.1399, 0.3838,  
0.5687


 217.4091, 0.3687,  
0.4635

 22.2336, 0.3803,  
0.5936

 263.7640, 0.3661,  
0.4550

 14.0287, 0.3738,  
0.6262

 316.2797, 0.3637,  
0.4475

 8.1406, 0.3503,  
0.6497

375.3406, 0.3615,

 4.1851, 0.3150,

0.4409

0.6850

441.3311, 0.3594,  
0.4349

■ 1.7776, 0.2495,  
0.7505

■ 0.4732, 0.0000,  
1.0000

■ 85.9104, 0.3799,  
0.5108

■ 85.9104, 0.3799,  
0.5108

■ 84.8253, 0.3814,  
0.5247

■ 87.1595, 0.3758,  
0.4923

■ 83.8860, 0.3803,  
0.5338

■ 88.5903, 0.3692,  
0.4700

■ 83.3821, 0.3788,  
0.5374

■ 90.2161, 0.3607,  
0.4450

■ 92.0493, 0.3507,  
0.4184

94.1011, 0.3399,  
0.3913

96.3820, 0.3286,  
0.3646

98.9016, 0.3173,  
0.3390

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.



85.9104, 0.4597, 0.4615



85.9104, 0.3799, 0.5108



85.9104, 0.2881, 0.4966

# Triad

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



85.9104, 0.3799, 0.5108



85.9104, 0.1498, 0.2204



85.9104, 0.4153, 0.2631

# Complementary

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



85.9104, 0.3799, 0.5108



14.3859, 0.1926, 0.1052

# 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.



85.9104, 0.3121, 0.2149



85.9104, 0.3799, 0.5108



85.9104, 0.1710, 0.1887

# Square

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



85.9104, 0.3799, 0.5108



85.9104, 0.1607, 0.2930



85.9104, 0.2249, 0.1887



85.9104, 0.4914, 0.3249



# Rectangle

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



85.9104, 0.3799, 0.5108



85.9104, 0.2318, 0.4402



85.9104, 0.2249, 0.1887



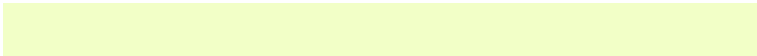
85.9104, 0.3814, 0.2450

# Sweetspot

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



85.9099, 0.3799, 0.5108



94.5562, 0.3375, 0.3857



32.1754, 0.5363, 0.3634



20.1123, 0.3406, 0.3930



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.



85.9099, 0.3799, 0.5108



84.3464, 0.3812, 0.5298



75.8804, 0.3225, 0.5507



20.8700, 0.3234, 0.3527



43.6391, 0.3795, 0.5369



4.2975, 0.3842, 0.5331



# Inverse Universe

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



14.3859, 0.1926, 0.1052



9.7464, 0.1715, 0.0768



23.6116, 0.2685, 0.1434



17.5772, 0.3014, 0.3047



4.2981, 0.1621, 0.0667

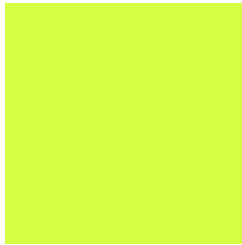


0.4649, 0.1726, 0.0724



# Previews

## White Background



This preview shows how the Yxy color 85.9104, 0.3799, 0.5108 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

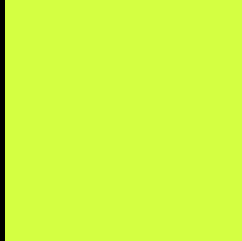
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.9104, 0.3799, 0.5108 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 85.9104, 0.3799, 0.5108**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9104, 0.3799, 0.5108.

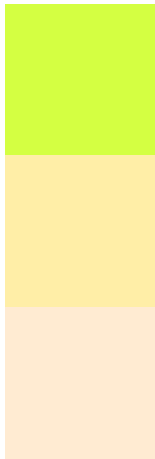


This preview shows how white text looks on a background with the Yxy color 85.9104, 0.3799, 0.5108.

# 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**

85.9104, 0.3799, 0.5108

**Protanopia**

85.1991, 0.3702, 0.4003

**Deuteranopia**

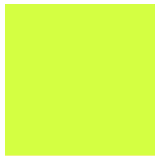
85.3298, 0.3427, 0.3541



## Tritanopia

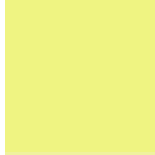
85.5249, 0.2987, 0.3119

# Trichromacy



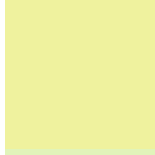
## Original Color

85.9104, 0.3799, 0.5108



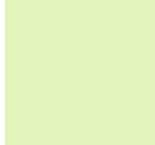
## Protanomaly

84.6638, 0.3782, 0.4449



## Deuteranomaly

84.3236, 0.3629, 0.4162



## Tritanomaly

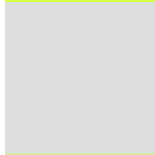
84.2541, 0.3354, 0.3911

# Monochromacy



## Original Color

85.9104, 0.3799, 0.5108



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

75.8999, 0.3457, 0.4046

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9104, 0.3799, 0.5108 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(212, 255, 66)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 66)  
}
```

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(212, 255, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 66) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9104, 0.3799, 0.5108 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(212, 255, 66) }
```

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

```
.border{ border-color:rgb(212, 255, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 66);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
66) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9104, 0.3799, 0.5108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 66) }
```

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

```
.background{ background-color: rgb(212,  
255, 66) }
```

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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