

# Converting Colors

Yxy(85.3397, 0.3815, 0.5193)

Have a look what the booklet for  
Yxy(85.3397, 0.3815, 0.5193)  
contains.

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**Color**

**Yxy(85.3143, 0.3814, 0.5194)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | D1FF33                      |
| RGB         | 209, 255, 51                |
| RGB Percent | 82%, 100%, 20%              |
| CMY         | 0.1805, 0.0000, 0.8001      |
| CMYK        | 0.18, 0.00, 0.80, 0.00      |
| HSL         | 74°, 100%, 60%              |
| HSV         | 74°, 80%, 100%              |
| XYZ         | 62.6470, 85.3143, 16.2941   |
| YIQ         | 217.9900, 38.0680, -73.1960 |

# Conversions

## Conversions Part 2

| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">51, 255, 97</a>                 |
| Decimal                             | <a href="#">13762355</a>                    |
| CIELab                              | <a href="#">94.02, -39.08, 83.50</a>        |
| CIElCh                              | <a href="#">94, 92.197, 115.081</a>         |
| Yxy                                 | <a href="#">85.3143, 0.3814, 0.5194</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4291952435<br/>(0xFFD1FF33)</a> |
| YUV                                 | <a href="#">217.9900, -82.3261, -7.8842</a> |
| Hunter-Lab                          | <a href="#">92.3657, -40.5725, 54.1967</a>  |

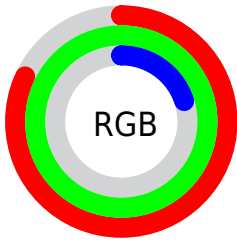
# Details

The Yxy color **85.3143, 0.3814, 0.5194** is a light color, and the websafe version is hex **CCFF33**.

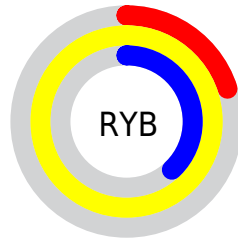
The color can be described as light washed yellow. A complement of this color would be **12.1276, 0.1831, 0.0919**, and the grayscale version is **70.6563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **46.8722, 0.3768, 0.5390** is the 20% darker color. If you saturate the color by 10%, you get **84.3205, 0.3814, 0.5304**, and if you desaturate by 10%, it is **86.4548, 0.3788, 0.5036**.

# Distribution



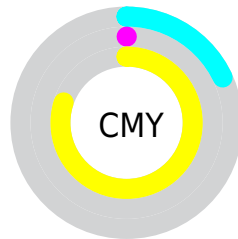
- Red (82%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (38%)



- Cyan (18%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3143, 0.3814, 0.5194 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 85.3143, 0.3814, 0.5194 by changing the saturation by 10% instead.



 85.3143, 0.3814,  
0.5194

 85.3143, 0.3814,  
0.5194

512.6675, 0.3594,  
0.4346


 64.1011, 0.3834,  
0.5365


 140.8122, 0.3762,  
0.4916

 46.7326, 0.3843,  
0.5560


 175.8657, 0.3734,  
0.4803

 32.8243, 0.3831,  
0.5782


 216.3015, 0.3707,  
0.4703

 21.9919, 0.3782,  
0.6033

 262.5039, 0.3682,  
0.4614

 13.8509, 0.3677,  
0.6323

 314.8572, 0.3658,  
0.4536

 8.0171, 0.3428,  
0.6572


373.7461, 0.3635,


 4.1059, 0.3054,


0.4466


0.6946


439.5547, 0.3614,  
0.4403


 1.7330, 0.2311,  
0.7689


 0.4449, 0.0000,  
1.0000

 85.3143, 0.3814,  
0.5194


 85.3143, 0.3814,  
0.5194


 84.3205, 0.3814,  
0.5304


 86.4548, 0.3788,  
0.5036


 83.4549, 0.3792,  
0.5371

 87.7700, 0.3736,  
0.4835

 89.2716, 0.3662,  
0.4600

 90.9729, 0.3570,  
0.4342

 92.8858, 0.3465,  
0.4073

 95.0210, 0.3354,  
0.3803

 97.3886, 0.3240,  
0.3540

99.9980, 0.3127,  
0.3290

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.



85.3143, 0.4650, 0.4655



85.3143, 0.3814, 0.5194



85.3143, 0.2860, 0.5066

# Triad

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



85.3143, 0.3814, 0.5194



85.3143, 0.1436, 0.2153



85.3143, 0.4202, 0.2599

# Complementary

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



85.3143, 0.3814, 0.5194



12.1276, 0.1831, 0.0919

# 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.



85.3143, 0.3115, 0.2103



85.3143, 0.3814, 0.5194



85.3143, 0.1654, 0.1830

# Square

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



85.3143, 0.3814, 0.5194



85.3143, 0.1545, 0.2906



85.3143, 0.2208, 0.1832



85.3143, 0.5002, 0.3235



# Rectangle

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



85.3143, 0.3814, 0.5194



85.3143, 0.2275, 0.4468



85.3143, 0.2208, 0.1832



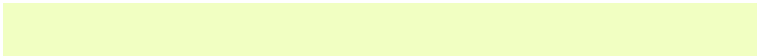
85.3143, 0.3844, 0.2413

# Sweetspot

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



85.3110, 0.3814, 0.5194



94.1411, 0.3399, 0.3911



29.7168, 0.5596, 0.3619



19.9886, 0.3438, 0.4007



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.



85.3110, 0.3814, 0.5194



83.7912, 0.3802, 0.5347



74.9966, 0.3206, 0.5639



20.8720, 0.3234, 0.3527



43.6767, 0.3798, 0.5366



4.3008, 0.3846, 0.5329



# Inverse Universe

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



12.1276, 0.1831, 0.0919



8.5797, 0.1641, 0.0691



21.4827, 0.2639, 0.1340



17.5753, 0.3014, 0.3047



4.2893, 0.1619, 0.0666

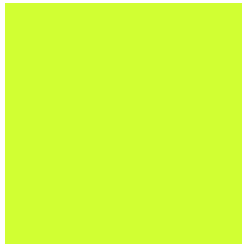


0.4638, 0.1723, 0.0723



# Previews

## White Background



This preview shows how the Yxy color 85.3143, 0.3814, 0.5194 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

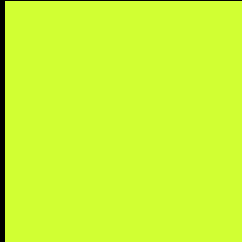
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.3143, 0.3814, 0.5194 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 85.3143, 0.3814, 0.5194**

## Background



This preview shows how black text looks on a background with the Yxy color 85.3143, 0.3814, 0.5194.

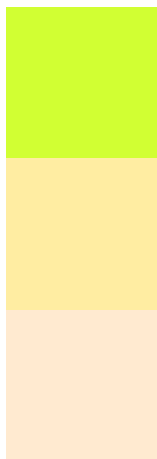


This preview shows how white text looks on a background with the Yxy color 85.3143, 0.3814, 0.5194.

# 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

85.3143, 0.3814, 0.5194

### Protanopia

84.4370, 0.3737, 0.4043

### Deuteranopia

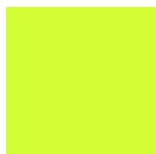
84.6597, 0.3442, 0.3551



## Tritanopia

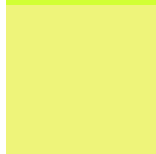
84.6114, 0.2974, 0.3108

# Trichromacy



## Original Color

85.3143, 0.3814, 0.5194



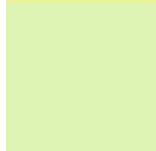
## Protanomaly

84.2837, 0.3817, 0.4523



## Deuteranomaly

83.9158, 0.3664, 0.4235



## Tritanomaly

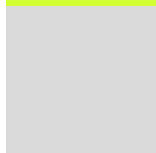
83.5672, 0.3364, 0.3970

# Monochromacy



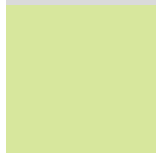
## Original Color

85.3143, 0.3814, 0.5194



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

74.0332, 0.3490, 0.4122

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.3143, 0.3814, 0.5194 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(209, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 51)  
}
```

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(209, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 85.3143, 0.3814, 0.5194 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(209, 255, 51) }
```

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

```
.border{ border-color:rgb(209, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.3143, 0.3814, 0.5194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 51) }
```

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

```
.background{ background-color: rgb(209,  
255, 51) }
```

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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