

# Converting Colors

$Y_{xy}(100.0000, 0.3594, 0.5011)$

Have a look what the booklet for  
Yxy(100.0000, 0.3594, 0.5011)  
contains.

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# Color

**Yxy(86.3085, 0.3674, 0.4881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3FF65
RGB	211, 255, 101
RGB Percent	83%, 100%, 40%
CMY	0.1727, 0.0000, 0.6038
CMYK	0.17, 0.00, 0.60, 0.00
HSL	77°, 100%, 70%
HSV	77°, 60%, 100%
XYZ	64.9657, 86.3085, 25.5513
YIQ	224.2880, 23.2100, -57.2220

# Conversions

## Conversions Part 2

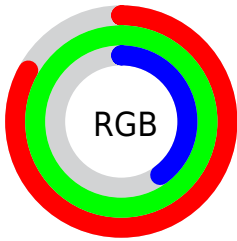
Format	Color
<a href="#">RYB</a>	<a href="#">101, 255, 145</a>
Decimal	<a href="#">13893477</a>
CIELab	<a href="#">94.44, -35.61, 67.06</a>
CIElCh	<a href="#">94, 75.929, 117.972</a>
Yxy	<a href="#">86.3085, 0.3674, 0.4881</a>
Android (android.graphics.Color)	<a href="#">4292083557</a> ( <a href="#">0xFFD3FF65</a> )
YUV	<a href="#">224.2880, -60.7810, -11.6536</a>
Hunter-Lab	<a href="#">92.9024, -37.7559, 48.7249</a>

# Details

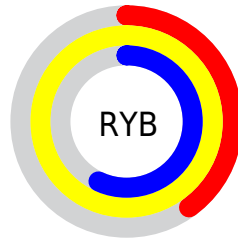
The Yxy color **86.3085, 0.3674, 0.4881** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **22.5565, 0.2232, 0.1464**, and the grayscale version is **75.1817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2143, 0.3706, 0.4247**, and **47.3276, 0.3724, 0.5222** is the 20% darker color. If you saturate the color by 10%, you get **84.8259, 0.3714, 0.5093**, and if you desaturate by 10%, it is **87.9847, 0.3611, 0.4635**.

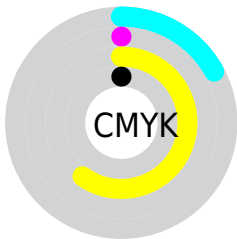
# Distribution



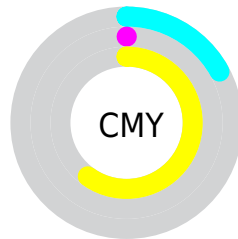
- Red (83%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (57%)



- Cyan (17%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3085, 0.3674, 0.4881 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 86.3085, 0.3674, 0.4881 by changing the saturation by 10% instead.




 86.3085, 0.3674,  
0.4881

 86.3085, 0.3674,  
0.4881


515.9479, 0.3479,  
0.4153


 64.9231, 0.3701,  
0.5037


 142.1999, 0.3620,  
0.4635


 47.3987, 0.3724,  
0.5223


 177.4747, 0.3595,  
0.4537

 33.3510, 0.3739,  
0.5445


 218.1481, 0.3572,  
0.4452

 22.3955, 0.3732,  
0.5709

 264.6045, 0.3550,  
0.4377

 14.1478, 0.3687,  
0.6028

317.2283, 0.3530,  
0.4311

 8.2235, 0.3572,  
0.6428


376.4039, 0.3512,


 4.2383, 0.3238,


0.4253


0.6762


442.5156, 0.3495,  
0.4200

 1.8077, 0.2646,  
0.7354


 0.4920, 0.0000,  
1.0000


 86.3085, 0.3674,  
0.4881


 86.3085, 0.3674,  
0.4881


 84.8259, 0.3714,  
0.5093

 87.9847, 0.3611,  
0.4635


 83.5368, 0.3729,  
0.5262

 89.8835, 0.3531,  
0.4368

 82.4177, 0.3718,  
0.5381

 92.0121, 0.3438,  
0.4092

 81.4737, 0.3687,  
0.5455

 94.3816, 0.3337,  
0.3817

 97.0023, 0.3234,  
0.3551

99.8840, 0.3131,  
0.3299

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.



86.3085, 0.4387, 0.4538



86.3085, 0.3674, 0.4881



86.3085, 0.2861, 0.4654

# Triad

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



86.3085, 0.3674, 0.4881



86.3085, 0.1681, 0.2305



86.3085, 0.4095, 0.2765

# Complementary

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



86.3085, 0.3674, 0.4881



22.5565, 0.2232, 0.1464

# 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.



86.3085, 0.3214, 0.2311



86.3085, 0.3674, 0.4881



86.3085, 0.1902, 0.2036

# Square

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



86.3085, 0.3674, 0.4881



86.3085, 0.1760, 0.2921



86.3085, 0.2422, 0.2053



86.3085, 0.4710, 0.3337



# Rectangle

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



86.3085, 0.3674, 0.4881



86.3085, 0.2370, 0.4148



86.3085, 0.2422, 0.2053



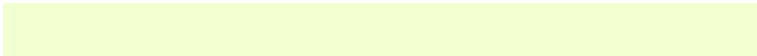
86.3085, 0.3812, 0.2596

# Sweetspot

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



86.3033, 0.3674, 0.4881



94.9831, 0.3313, 0.3752



42.3435, 0.4721, 0.3725



20.1735, 0.3343, 0.3831



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.



86.3033, 0.3674, 0.4881



84.6052, 0.3718, 0.5124



77.5599, 0.3193, 0.5160



20.8145, 0.3225, 0.3528



42.6514, 0.3695, 0.5448



4.2084, 0.3754, 0.5402



# Inverse Universe

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



22.5565, 0.2232, 0.1464



16.0558, 0.2032, 0.1140



32.0039, 0.2885, 0.1751



17.6293, 0.3023, 0.3047



4.5763, 0.1683, 0.0701

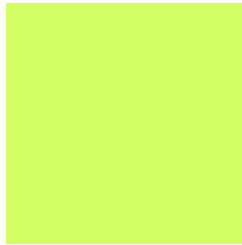


0.4982, 0.1798, 0.0764



# Previews

## White Background



This preview shows how the Yxy color 86.3085, 0.3674, 0.4881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

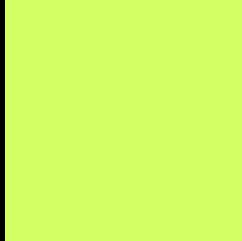
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.3085, 0.3674, 0.4881 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 86.3085, 0.3674, 0.4881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.3085, 0.3674, 0.4881.

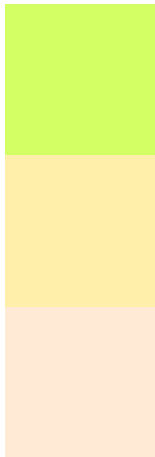


This preview shows how white text looks on a background with the Yxy color 86.3085, 0.3674, 0.4881.

# 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

86.3085, 0.3674, 0.4881

### Protanopia

85.9333, 0.3673, 0.3973

### Deuteranopia

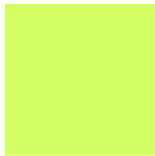
85.4808, 0.3407, 0.3510



## Tritanopia

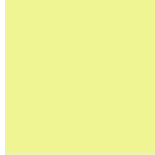
85.9419, 0.2980, 0.3129

# Trichromacy



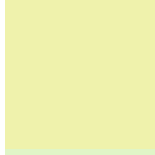
## Original Color

86.3085, 0.3674, 0.4881



## Protanomaly

85.7309, 0.3690, 0.4307



## Deuteranomaly

84.8335, 0.3543, 0.4019



## Tritanomaly

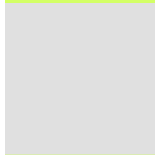
85.2756, 0.3267, 0.3780

# Monochromacy



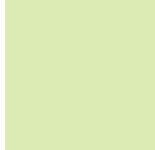
## Original Color

86.3085, 0.3674, 0.4881



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

77.7314, 0.3371, 0.3908

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.3085, 0.3674, 0.4881 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(211, 255, 101)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 101)  
}
```

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(211, 255, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 86.3085, 0.3674, 0.4881 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(211, 255, 101) }
```

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

```
.border{ border-color:rgb(211, 255, 101) }
```

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

Here you see how a box with a 4 pixel rgb(211, 255, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
101) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.3085, 0.3674, 0.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 101) }
```

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

```
.background{ background-color: rgb(211,  
255, 101) }
```

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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