

# Converting Colors

$Y_{xy}(85.5247, 0.3845, 0.5217)$

Have a look what the booklet for  
Yxy(85.5247, 0.3845, 0.5217)  
contains.

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**Color**

**Yxy(85.5361, 0.3845, 0.5217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3FF2A
RGB	211, 255, 42
RGB Percent	83%, 100%, 16%
CMY	0.1726, 0.0000, 0.8352
CMYK	0.17, 0.00, 0.84, 0.00
HSL	72°, 100%, 58%
HSV	72°, 84%, 100%
XYZ	63.0413, 85.5361, 15.3791
YIQ	217.5620, 42.1490, -75.5710

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	42, 255, 86
Decimal	13893418
CIE Lab	94.11, -38.58, 85.69
CIE LCh	94, 93.979, 114.239
Yxy	85.5361, 0.3845, 0.5217
Android (android.graphics.Color)	4292083498 (0xFFD3FF2A)
YUV	217.5620, -86.5521, -5.7549
Hunter-Lab	92.4857, -40.1786, 54.8809

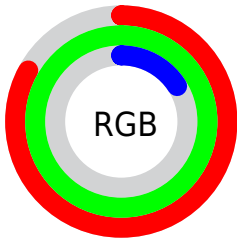
# Details

The Yxy color **85.5361, 0.3845, 0.5217** is a light color, and the websafe version is hex **CCFF33**.

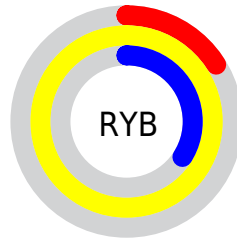
The color can be described as light washed yellow. A complement of this color would be **10.8575, 0.1760, 0.0841**, and the grayscale version is **70.3798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9058, 0.3944, 0.4640**, and **46.9675, 0.3777, 0.5383** is the 20% darker color. If you saturate the color by 10%, you get **84.6417, 0.3839, 0.5307**, and if you desaturate by 10%, it is **86.5708, 0.3825, 0.5080**.

# Distribution



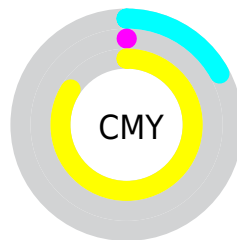
- Red (83%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (34%)



- Cyan (17%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5361, 0.3845, 0.5217 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 85.5361, 0.3845, 0.5217 by changing the saturation by 10% instead.





 85.5361, 0.3845,  
0.5217

 85.5361, 0.3845,  
0.5217


513.4003, 0.3617,  
0.4365

 64.2844, 0.3865,  
0.5386


 141.1219, 0.3791,  
0.4939


 46.8811, 0.3874,  
0.5578


 176.2249, 0.3763,  
0.4826


 32.9417, 0.3860,  
0.5795


 216.7138, 0.3735,  
0.4725

 22.0818, 0.3812,  
0.6042

 262.9729, 0.3708,  
0.4636

 13.9170, 0.3695,  
0.6305

 315.3868, 0.3683,  
0.4557

 8.0630, 0.3450,  
0.6550


374.3397, 0.3659,

 4.1353, 0.3083,


0.4486


0.6917


440.2161, 0.3637,  
0.4423


 1.7495, 0.2369,  
0.7631


 0.4554, 0.0000,  
1.0000


 85.5361, 0.3845,  
0.5217


 85.5361, 0.3845,  
0.5217


 84.6417, 0.3839,  
0.5307

 86.5708, 0.3825,  
0.5080


 84.1202, 0.3825,  
0.5345


 87.7667, 0.3779,  
0.4897

 89.1392, 0.3708,  
0.4677

 90.7020, 0.3618,  
0.4429

 92.4673, 0.3514,  
0.4165

 94.4462, 0.3401,  
0.3896

 96.6491, 0.3284,  
0.3631

 99.0853, 0.3167,  
0.3376

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.



85.5361, 0.4688, 0.4650



85.5361, 0.3845, 0.5217



85.5361, 0.2878, 0.5121

# Triad

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



85.5361, 0.3845, 0.5217



85.5361, 0.1412, 0.2148



85.5361, 0.4191, 0.2571

# Complementary

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



85.5361, 0.3845, 0.5217



10.8575, 0.1760, 0.0841

# 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.



85.5361, 0.3084, 0.2075



85.5361, 0.3845, 0.5217



85.5361, 0.1623, 0.1813

# Square

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



85.5361, 0.3845, 0.5217



85.5361, 0.1529, 0.2924



85.5361, 0.2173, 0.1808



85.5361, 0.5021, 0.3211



# Rectangle

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



85.5361, 0.3845, 0.5217



85.5361, 0.2281, 0.4525



85.5361, 0.2173, 0.1808



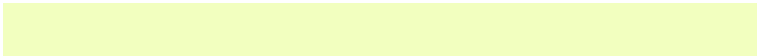
85.5361, 0.3825, 0.2385

# Sweetspot

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



85.5356, 0.3845, 0.5217



94.1394, 0.3418, 0.3936



27.8646, 0.5757, 0.3575



19.9980, 0.3458, 0.4030



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.



85.5356, 0.3845, 0.5217



84.1202, 0.3825, 0.5345



74.7464, 0.3208, 0.5695



20.8901, 0.3237, 0.3527



44.0205, 0.3831, 0.5340



4.3316, 0.3875, 0.5305



# Inverse Universe

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



10.8575, 0.1760, 0.0841



7.9684, 0.1591, 0.0650



19.9680, 0.2578, 0.1274



17.5585, 0.3011, 0.3046



4.2141, 0.1602, 0.0656

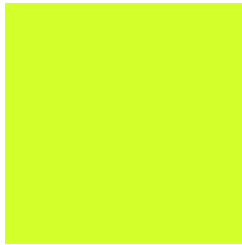


0.4542, 0.1702, 0.0711



# Previews

## White Background



This preview shows how the Yxy color 85.5361, 0.3845, 0.5217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

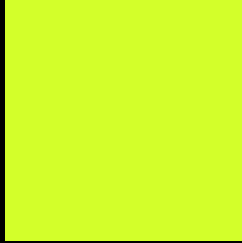
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.5361, 0.3845, 0.5217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

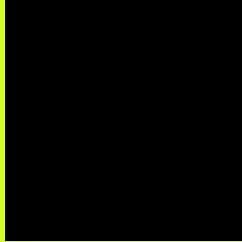
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.5361, 0.3845, 0.5217**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.5361, 0.3845, 0.5217.

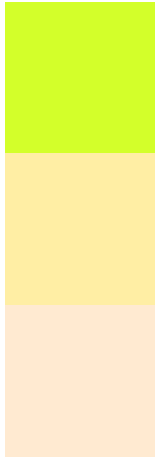


This preview shows how white text looks on a background with the Yxy color 85.5361, 0.3845, 0.5217.

# 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

85.5361, 0.3845, 0.5217

### Protanopia

85.0894, 0.3721, 0.4032

### Deuteranopia

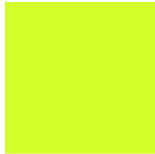
84.7091, 0.3435, 0.3541



## Tritanopia

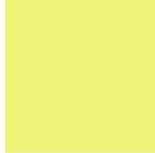
84.9442, 0.2987, 0.3109

# Trichromacy



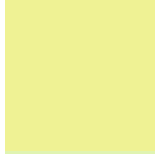
## Original Color

85.5361, 0.3845, 0.5217



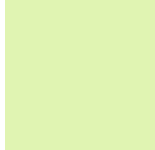
## Protanomaly

84.4082, 0.3834, 0.4537



## Deuteranomaly

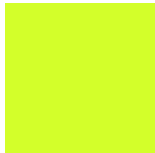
83.9931, 0.3688, 0.4262



## Tritanomaly

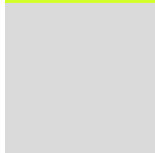
83.7630, 0.3396, 0.4000

# Monochromacy



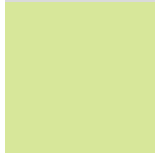
## Original Color

85.5361, 0.3845, 0.5217



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

73.9320, 0.3509, 0.4155

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5361, 0.3845, 0.5217 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 42) }
```

## Border

The CSS property to change the border of an element to Yxy 85.5361, 0.3845, 0.5217 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, 42) }
```

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

```
.border{ border-color:rgb(211, 255, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 42);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
42) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.5361, 0.3845, 0.5217 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, 42) }
```

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

```
.background{ background-color: rgb(211,  
255, 42) }
```

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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