

# Converting Colors

$Y_{xy}(86.2770, 0.3871, 0.5179)$

Have a look what the booklet for  
Yxy(86.2770, 0.3871, 0.5179)  
contains.

<b>Yxy(86.3162, 0.3873, 0.5177)</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(86.3162, 0.3873, 0.5177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8FF2E
RGB	216, 255, 46
RGB Percent	85%, 100%, 18%
CMY	0.1529, 0.0000, 0.8197
CMYK	0.15, 0.00, 0.82, 0.00
HSL	71°, 100%, 59%
HSV	71°, 82%, 100%
XYZ	64.5746, 86.3162, 15.8394
YIQ	219.5130, 43.8450, -73.2670

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 255, 85
Decimal	14221102
CIELab	94.45, -36.51, 85.24
CIElCh	94, 92.732, 113.188
Yxy	86.3162, 0.3873, 0.5177
Android (android.graphics.Color)	4292411182 (0xFFD8FF2E)
YUV	219.5130, -85.5419, -3.0809
Hunter-Lab	92.9065, -38.5201, 54.9264

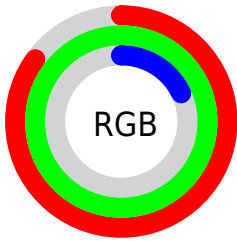
# Details

The Yxy color **86.3162, 0.3873, 0.5177** is a light color, and the websafe version is hex **CCFF33**.

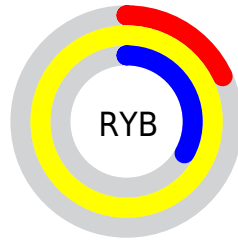
The color can be described as light washed yellow. A complement of this color would be **11.1029, 0.1759, 0.0858**, and the grayscale version is **71.7987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9499, 0.3935, 0.4625**, and **47.4561, 0.3821, 0.5348** is the 20% darker color. If you saturate the color by 10%, you get **85.4590, 0.3875, 0.5270**, and if you desaturate by 10%, it is **87.3171, 0.3845, 0.5037**.

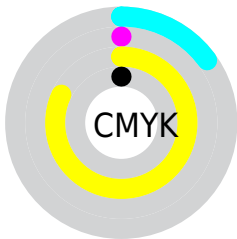
# Distribution



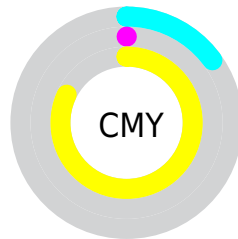
- Red (85%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (33%)



- Cyan (15%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3162, 0.3873, 0.5177 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 86.3162, 0.3873, 0.5177 by changing the saturation by 10% instead.





 86.3162, 0.3873,  
0.5177

 86.3162, 0.3873,  
0.5177


515.9733, 0.3630,  
0.4347


 64.9295, 0.3897,  
0.5341


 142.2107, 0.3813,  
0.4907


 47.4039, 0.3912,  
0.5528


 177.4872, 0.3783,  
0.4796

 33.3551, 0.3905,  
0.5737


 218.1624, 0.3753,  
0.4699

 22.3986, 0.3866,  
0.5973

 264.6208, 0.3725,  
0.4612

 14.1501, 0.3767,  
0.6233

 317.2466, 0.3699,  
0.4535

 8.2251, 0.3538,  
0.6462


376.4244, 0.3674,


 4.2393, 0.3196,


0.4465


0.6804


442.5385, 0.3651,  
0.4403


 1.8083, 0.2580,  
0.7420


 0.4924, 0.0000,  
1.0000

 86.3162, 0.3873,  
0.5177


 86.3162, 0.3873,  
0.5177


 85.4590, 0.3875,  
0.5270

 87.3171, 0.3845,  
0.5037

 84.8482, 0.3861,  
0.5317


 88.4750, 0.3791,  
0.4852

 89.8069, 0.3714,  
0.4631

 91.3264, 0.3617,  
0.4383

 93.0454, 0.3508,  
0.4120

 94.9748, 0.3390,  
0.3853

 97.1246, 0.3270,  
0.3590

 99.5043, 0.3150,  
0.3338

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.



86.3162, 0.4695, 0.4613



86.3162, 0.3873, 0.5177



86.3162, 0.2919, 0.5106

# Triad

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



86.3162, 0.3873, 0.5177



86.3162, 0.1431, 0.2184



86.3162, 0.4138, 0.2561

# Complementary

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



86.3162, 0.3873, 0.5177



11.1029, 0.1759, 0.0858

# 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.



86.3162, 0.3049, 0.2077



86.3162, 0.3873, 0.5177



86.3162, 0.1629, 0.1838

# Square

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



86.3162, 0.3873, 0.5177



86.3162, 0.1561, 0.2968



86.3162, 0.2161, 0.1822



86.3162, 0.4973, 0.3192



# Rectangle

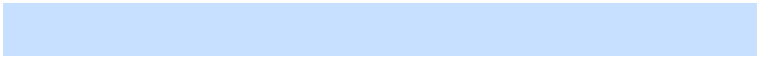
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.3162, 0.3873, 0.5177



86.3162, 0.2324, 0.4541



86.3162, 0.2161, 0.1822



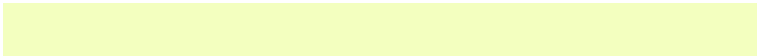
86.3162, 0.3776, 0.2379

# Sweetspot

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



86.3180, 0.3873, 0.5177



94.3667, 0.3426, 0.3934



27.8452, 0.5733, 0.3553



20.0529, 0.3468, 0.4028



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.



86.3180, 0.3873, 0.5177



84.9971, 0.3865, 0.5306



75.1733, 0.3231, 0.5654



20.9094, 0.3240, 0.3527



44.3965, 0.3866, 0.5312



4.3650, 0.3906, 0.5281



# Inverse Universe

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



11.1029, 0.1759, 0.0858



8.0532, 0.1590, 0.0656



19.9677, 0.2557, 0.1278



17.5407, 0.3008, 0.3046



4.1418, 0.1586, 0.0647

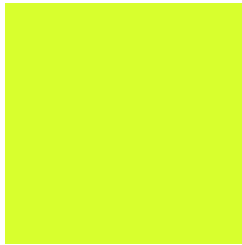


0.4447, 0.1681, 0.0700



# Previews

## White Background



This preview shows how the Yxy color 86.3162, 0.3873, 0.5177 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 86.3162, 0.3873, 0.5177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

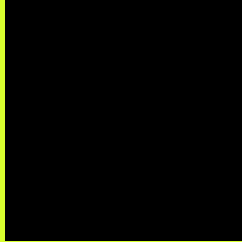
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.3162, 0.3873, 0.5177**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.3162, 0.3873, 0.5177.

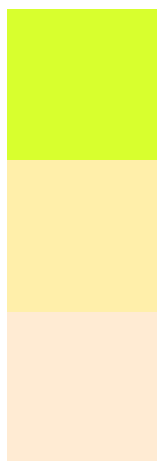


This preview shows how white text looks on a background with the Yxy color 86.3162, 0.3873, 0.5177.

# 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

86.3162, 0.3873, 0.5177

### Protanopia

85.8953, 0.3680, 0.3982

### Deuteranopia

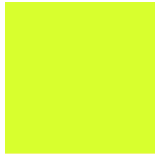
85.3798, 0.3420, 0.3531



## Tritanopia

85.6212, 0.3012, 0.3110

# Trichromacy



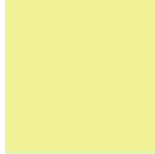
## Original Color

86.3162, 0.3873, 0.5177



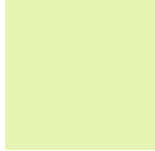
## Protanomaly

85.4863, 0.3819, 0.4495



## Deuteranomaly

84.4394, 0.3685, 0.4227



## Tritanomaly

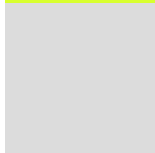
84.6141, 0.3425, 0.3981

# Monochromacy



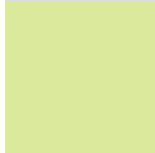
## Original Color

86.3162, 0.3873, 0.5177



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

75.7722, 0.3515, 0.4133

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.3162, 0.3873, 0.5177 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(216, 255, 46)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 46)  
}
```

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(216, 255, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 46) }
```

## Border

The CSS property to change the border of an element to Yxy 86.3162, 0.3873, 0.5177 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(216, 255, 46) }
```

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

```
.border{ border-color:rgb(216, 255, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 46);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
46) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.3162, 0.3873, 0.5177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 46) }
```

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

```
.background{ background-color: rgb(216,  
255, 46) }
```

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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