

# Converting Colors

Yxy(94.9359, 0.3727, 0.5116)

Have a look what the booklet for  
Yxy(94.9359, 0.3727, 0.5116)  
contains.

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# Color

**Yxy(86.3379, 0.3784, 0.5042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6FF4C
RGB	214, 255, 76
RGB Percent	84%, 100%, 30%
CMY	0.1608, 0.0000, 0.7016
CMYK	0.16, 0.00, 0.70, 0.00
HSL	74°, 100%, 65%
HSV	74°, 70%, 100%
XYZ	64.7962, 86.3379, 20.1033
YIQ	222.3350, 33.0230, -64.3610

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">76, 255, 117</a>
Decimal	<a href="#">14090060</a>
CIELab	<a href="#">94.46, -36.05, 76.56</a>
CIElCh	<a href="#">94, 84.621, 115.216</a>
Yxy	<a href="#">86.3379, 0.3784, 0.5042</a>
Android (android.graphics.Color)	<a href="#">4292280140 (0xFFD6FF4C)</a>
YUV	<a href="#">222.3350, -72.1432, -7.3098</a>
Hunter-Lab	<a href="#">92.9182, -38.1304, 52.2151</a>

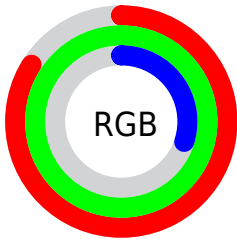
# Details

The Yxy color **86.3379, 0.3784, 0.5042** is a light color, and the websafe version is hex **CCFF33**.

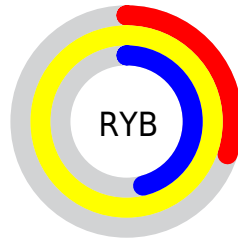
The color can be described as light washed yellow. A complement of this color would be **16.1911, 0.1993, 0.1153**, and the grayscale version is **73.8038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5293, 0.3824, 0.4443**, and **47.3567, 0.3812, 0.5355** is the 20% darker color. If you saturate the color by 10%, you get **85.1862, 0.3809, 0.5200**, and if you desaturate by 10%, it is **87.6611, 0.3733, 0.4841**.

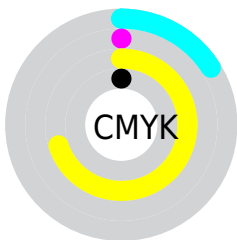
# Distribution



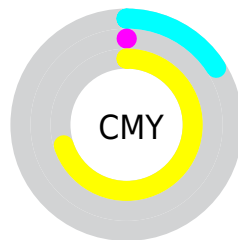
- Red (84%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (46%)



- Cyan (16%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3379, 0.3784, 0.5042 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 86.3379, 0.3784, 0.5042 by changing the saturation by 10% instead.





 86.3379, 0.3784,  
0.5042

 86.3379, 0.3784,  
0.5042

 516.0447, 0.3559,  
0.4255

 64.9474, 0.3811,  
0.5204


 142.2409, 0.3725,  
0.4781


 47.4184, 0.3832,  
0.5393


 177.5223, 0.3696,  
0.4675

 33.3666, 0.3838,  
0.5612


 218.2027, 0.3669,  
0.4583

 22.4074, 0.3814,  
0.5863

 264.6666, 0.3644,  
0.4502

 14.1566, 0.3780,  
0.6217

 317.2983, 0.3620,  
0.4429

 8.2296, 0.3556,  
0.6444

 376.4823, 0.3598,

 4.2422, 0.3218,

0.4365

0.6782

442.6030, 0.3578,  
0.4307

■ 1.8100, 0.2616,  
0.7384

■ 0.4934, 0.0000,  
1.0000

■ 86.3379, 0.3784,  
0.5042

■ 86.3379, 0.3784,  
0.5042

■ 85.1862, 0.3809,  
0.5200

■ 87.6611, 0.3733,  
0.4841

■ 84.1888, 0.3808,  
0.5310


■ 89.1718, 0.3660,  
0.4605

■ 83.3291, 0.3785,  
0.5376

■ 90.8830, 0.3568,  
0.4347

■ 92.8066, 0.3465,  
0.4078

 94.9534, 0.3354,  
0.3807

 97.3335, 0.3241,  
0.3544

99.9563, 0.3129,  
0.3294

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.



86.3379, 0.4553, 0.4584



86.3379, 0.3784, 0.5042



86.3379, 0.2895, 0.4890

# Triad

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



86.3379, 0.3784, 0.5042



86.3379, 0.1547, 0.2243



86.3379, 0.4118, 0.2656

# Complementary

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



86.3379, 0.3784, 0.5042



16.1911, 0.1993, 0.1153

# 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.



86.3379, 0.3127, 0.2186



86.3379, 0.3784, 0.5042



86.3379, 0.1755, 0.1931

# Square

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



86.3379, 0.3784, 0.5042



86.3379, 0.1655, 0.2947



86.3379, 0.2282, 0.1929



86.3379, 0.4848, 0.3261



# Rectangle

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



86.3379, 0.3784, 0.5042



86.3379, 0.2348, 0.4350



86.3379, 0.2282, 0.1929



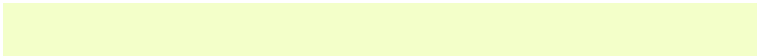
86.3379, 0.3793, 0.2480

# Sweetspot

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



86.3376, 0.3784, 0.5042



94.7640, 0.3364, 0.3830



34.0120, 0.5203, 0.3637



20.1528, 0.3394, 0.3904



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.



86.3376, 0.3784, 0.5042



84.7860, 0.3812, 0.5248



76.5386, 0.3235, 0.5408



20.8685, 0.3233, 0.3527



43.6117, 0.3792, 0.5371



4.2950, 0.3840, 0.5333



# Inverse Universe

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



16.1911, 0.1993, 0.1153



10.9608, 0.1779, 0.0846



25.2831, 0.2716, 0.1505



17.5786, 0.3014, 0.3047



4.3046, 0.1623, 0.0668

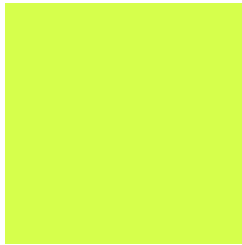


0.4657, 0.1728, 0.0725



# Previews

## White Background



This preview shows how the Yxy color 86.3379, 0.3784, 0.5042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

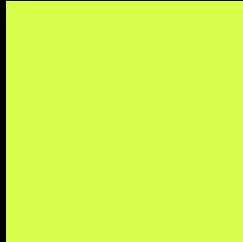
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.3379, 0.3784, 0.5042 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 86.3379, 0.3784, 0.5042**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.3379, 0.3784, 0.5042.

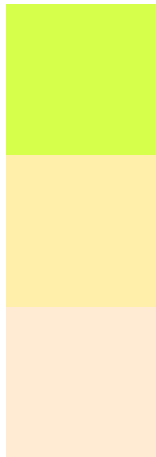


This preview shows how white text looks on a background with the Yxy color 86.3379, 0.3784, 0.5042.

# 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

86.3379, 0.3784, 0.5042

### Protanopia

85.9333, 0.3673, 0.3973

### Deuteranopia

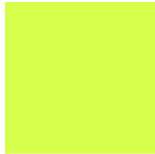
85.4301, 0.3413, 0.3520



## Tritanopia

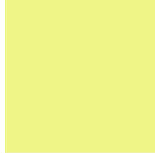
85.8615, 0.2999, 0.3119

# Trichromacy



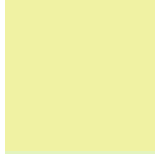
## Original Color

86.3379, 0.3784, 0.5042



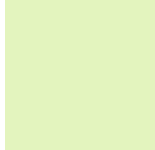
## Protanomaly

85.6077, 0.3753, 0.4399



## Deuteranomaly

84.6739, 0.3606, 0.4109



## Tritanomaly

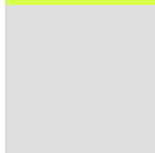
84.7500, 0.3344, 0.3865

# Monochromacy



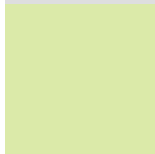
## Original Color

86.3379, 0.3784, 0.5042



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

76.7703, 0.3437, 0.4010

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.3379, 0.3784, 0.5042 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(214, 255, 76)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 76)  
}
```

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(214, 255, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 76) }
```

## Border

The CSS property to change the border of an element to Yxy 86.3379, 0.3784, 0.5042 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(214, 255, 76) }
```

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

```
.border{ border-color:rgb(214, 255, 76) }
```

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

Here you see how a box with a 4 pixel rgb(214, 255, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 76);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
76) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.3379, 0.3784, 0.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 76) }
```

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

```
.background{ background-color: rgb(214,  
255, 76) }
```

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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