

# Converting Colors

$Yxy(85.9892, 0.3770, 0.4383)$

Have a look what the booklet for  
Yxy(85.9892, 0.3770, 0.4383)  
contains.

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# Color

**Yxy(86.1656, 0.3769, 0.4381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F589
RGB	243, 245, 137
RGB Percent	95%, 96%, 54%
CMY	0.0471, 0.0392, 0.4628
CMYK	0.01, 0.00, 0.44, 0.04
HSL	61°, 84%, 75%
HSV	61°, 44%, 96%
XYZ	74.1288, 86.1656, 36.3858
YIQ	232.0900, 33.4760, -34.0120

# Conversions

## Conversions Part 2

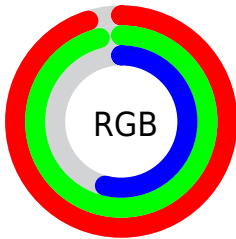
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 245, 139
Decimal	15988105
CIE <sub>Lab</sub>	94.38, -15.55, 51.53
CIE <sub>LCh</sub>	94, 53.822, 106.790
Yxy	86.1656, 0.3769, 0.4381
Android (android.graphics.Color)	4294178185 (0xFFFF3F589)
YUV	232.0900, -46.8794, 9.5681
Hunter-Lab	92.8254, -19.8975, 41.7372

# Details

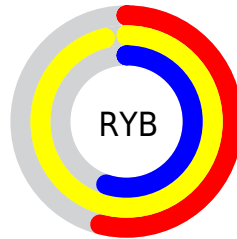
The Yxy color **86.1656, 0.3769, 0.4381** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.9696, 0.2308, 0.1917**, and the grayscale version is **81.1073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **47.3496, 0.3880, 0.4616** is the 20% darker color. If you saturate the color by 10%, you get **85.4635, 0.3893, 0.4594**, and if you desaturate by 10%, it is **87.0354, 0.3631, 0.4144**.

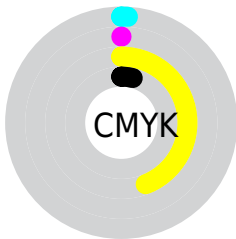
# Distribution



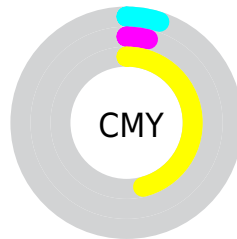
- Red (95%)
- Green (96%)
- Blue (54%)



- Red (54%)
- Yellow (96%)
- Blue (55%)



- Cyan (1%)
- Magenta (0%)
- Yellow (44%)
- Black (4%)




- Cyan (5%)
- Magenta (4%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1656, 0.3769, 0.4381 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 86.1656, 0.3769, 0.4381 by changing the saturation by 10% instead.





 86.1656, 0.3769,  
0.4381

 86.1656, 0.3769,  
0.4381


515.4771, 0.3501,  
0.3890


 64.8049, 0.3821,  
0.4487


 142.0006, 0.3683,  
0.4215

 47.3029, 0.3880,  
0.4613


 177.2436, 0.3648,  
0.4149

 33.2752, 0.3947,  
0.4766


 217.8829, 0.3616,  
0.4092

 22.3373, 0.4020,  
0.4953

264.3029, 0.3588,  
0.4042

 14.1050, 0.4093,  
0.5180

316.8879, 0.3563,  
0.3997

 8.1937, 0.4164,  
0.5474

376.0223, 0.3540,

 4.2192, 0.4179,

0.3957

0.5821

442.0906, 0.3520,  
0.3922

■ 1.7969, 0.3941,  
0.6059

■ 0.4852, 0.1441,  
0.8559

■ 86.1656, 0.3769,  
0.4381

■ 86.1656, 0.3769,  
0.4381

■ 85.4635, 0.3893,  
0.4594

■ 87.0354, 0.3631,  
0.4144

■ 84.9064, 0.3996,  
0.4774


■ 88.0710, 0.3484,  
0.3894


■ 84.4858, 0.4075,  
0.4914


■ 89.2854, 0.3334,  
0.3640

■ 84.1875, 0.4127,  
0.5009


■ 90.6872, 0.3186,  
0.3390


 83.9940, 0.4154,  
0.5062


 91.9915, 0.3070,  
0.3192

 83.9137, 0.4160,  
0.5079

 92.0737, 0.3073,  
0.3193

 92.1561, 0.3076,  
0.3193

 92.2386, 0.3078,  
0.3193

 92.3214, 0.3081,  
0.3193

# Harmonies

## Analogous

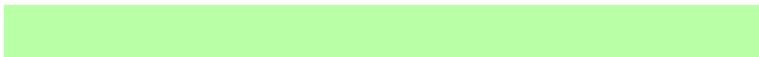
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1656, 0.4204, 0.4098



86.1656, 0.3769, 0.4381



86.1656, 0.3185, 0.4338

# Triad

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



86.1656, 0.3769, 0.4381



86.1656, 0.2041, 0.2735



86.1656, 0.3598, 0.2767

# Complementary

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



86.1656, 0.3769, 0.4381



29.9696, 0.2308, 0.1917

# 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.



86.1656, 0.2971, 0.2465



86.1656, 0.3769, 0.4381



86.1656, 0.2124, 0.2417

# Square

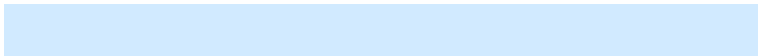
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.1656, 0.3769, 0.4381



86.1656, 0.2208, 0.3277



86.1656, 0.2445, 0.2336

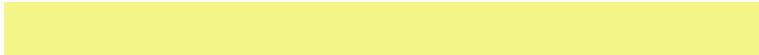


86.1656, 0.4125, 0.3188

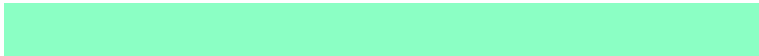


# Rectangle

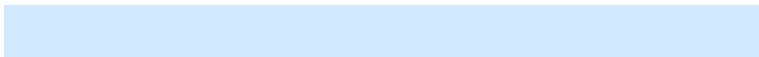
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.1656, 0.3769, 0.4381



86.1656, 0.2794, 0.4086



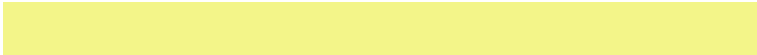
86.1656, 0.2445, 0.2336



86.1656, 0.3389, 0.2650

# Sweetspot

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



86.1695, 0.3769, 0.4381



97.9292, 0.3318, 0.3613



39.6236, 0.4296, 0.3313



20.8932, 0.3351, 0.3669



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.



86.1695, 0.3769, 0.4381



93.6589, 0.3881, 0.4575



77.9591, 0.3388, 0.4538



19.2970, 0.3266, 0.3524



45.2102, 0.4161, 0.5078



3.9785, 0.4165, 0.5075



# Inverse Universe

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



29.9696, 0.2308, 0.1917



24.7810, 0.2114, 0.1596



35.7918, 0.2723, 0.2057



15.9414, 0.2982, 0.3045



3.5739, 0.1506, 0.0603

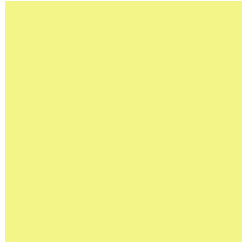


0.3192, 0.1520, 0.0611



# Previews

## White Background



This preview shows how the Yxy color 86.1656, 0.3769, 0.4381 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

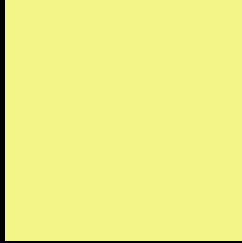
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.1656, 0.3769, 0.4381 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

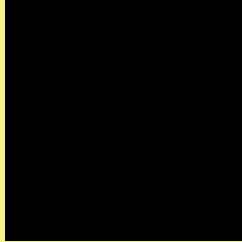
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.1656, 0.3769, 0.4381**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.1656, 0.3769, 0.4381.

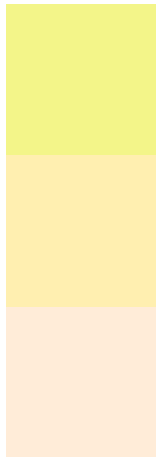


This preview shows how white text looks on a background with the Yxy color 86.1656, 0.3769, 0.4381.

# 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

86.1656, 0.3769, 0.4381

### Protanopia

86.1276, 0.3641, 0.3923

### Deuteranopia

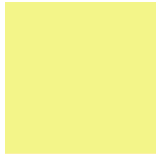
86.2088, 0.3385, 0.3490



## Tritanopia

85.8754, 0.3169, 0.3115

# Trichromacy



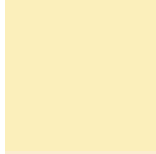
## Original Color

86.1656, 0.3769, 0.4381



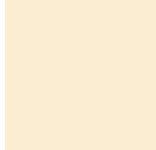
## Protanomaly

86.0285, 0.3694, 0.4087



## Deuteranomaly

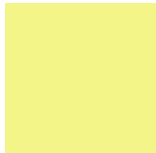
85.8301, 0.3541, 0.3817



## Tritanomaly

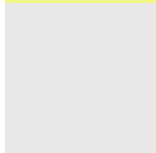
85.6811, 0.3402, 0.3573

# Monochromacy



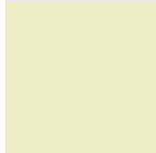
## Original Color

86.1656, 0.3769, 0.4381



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.4325, 0.3374, 0.3710

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.1656, 0.3769, 0.4381 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(243, 245, 137)` looks like.

```
.text, #text, p{  
    color:rgb(243, 245, 137)  
}
```

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(243, 245, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 245, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 86.1656, 0.3769, 0.4381 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(243, 245, 137) }
```

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

```
.border{ border-color:rgb(243, 245, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 245, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 245, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 245, 137);  
box-shadow:4px 4px 4px 4px rgb(243, 245,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.1656, 0.3769, 0.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 245, 137) }
```

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

```
.background{ background-color: rgb(243,  
245, 137) }
```

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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