

# Converting Colors

Yxy(81.6336, 0.3770, 0.4346)

Have a look what the booklet for  
Yxy(81.6336, 0.3770, 0.4346)  
contains.

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# Color

**Yxy(81.8613, 0.3769, 0.4351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFEF88
RGB	239, 239, 136
RGB Percent	94%, 94%, 53%
CMY	0.0627, 0.0627, 0.4665
CMYK	0.00, 0.00, 0.43, 0.06
HSL	60°, 76%, 74%
HSV	60°, 43%, 94%
XYZ	70.9113, 81.8613, 35.3710
YIQ	227.2580, 33.0630, -32.0330

# Conversions

## Conversions Part 2

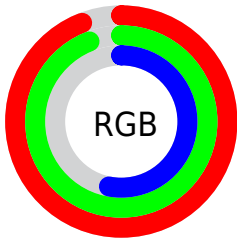
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	136, 239, 136
Decimal	15724424
CIE <sub>Lab</sub>	92.51, -14.25, 49.61
CIE <sub>LCh</sub>	93, 51.611, 106.024
Yxy	81.8613, 0.3769, 0.4351
Android (android.graphics.Color)	4293914504 (0xFFEF88)
YUV	227.2580, -44.9902, 10.2977
Hunter-Lab	90.4772, -18.4362, 40.1553

# Details

The Yxy color **81.8613, 0.3769, 0.4351** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.0925, 0.2317, 0.1951**, and the grayscale version is **77.3349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **44.3153, 0.3886, 0.4586** is the 20% darker color. If you saturate the color by 10%, you get **81.2585, 0.3898, 0.4564**, and if you desaturate by 10%, it is **82.6231, 0.3626, 0.4115**.

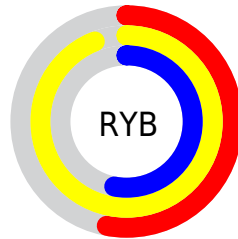
# Distribution



Red (94%)

Green (94%)

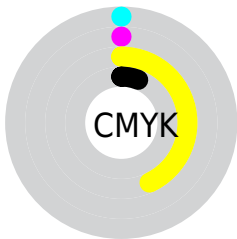
Blue (53%)



Red (53%)

Yellow (94%)

Blue (53%)

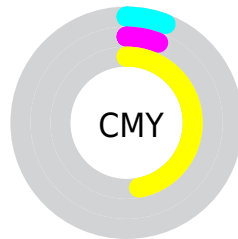


Cyan (0%)

Magenta (0%)

Yellow (43%)

Black (6%)



Cyan (6%)

Magenta (6%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8613, 0.3769, 0.4351 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 81.8613, 0.3769, 0.4351 by changing the saturation by 10% instead.




 81.8613, 0.3769,  
0.4351

 81.8613, 0.3769,  
0.4351


501.1836, 0.3497,  
0.3869

 61.2512, 0.3823,  
0.4456

 135.9795, 0.3681,  
0.4188

 44.4279, 0.3885,  
0.4581


 170.2564, 0.3645,  
0.4123

 31.0071, 0.3955,  
0.4734


 209.8576, 0.3613,  
0.4067

 20.6042, 0.4033,  
0.4921

255.1677, 0.3584,  
0.4017

 12.8350, 0.4112,  
0.5151

306.5709, 0.3559,  
0.3974

 7.3150, 0.4201,  
0.5462

364.4517, 0.3536,

 3.6599, 0.4207,

0.3935

0.5793

429.1945, 0.3516,  
0.3900

■ 1.4852, 0.3964,  
0.6036

■ 0.2783, 0.0000,  
1.0000

■ 81.8613, 0.3769,  
0.4351

■ 81.8613, 0.3769,  
0.4351

■ 81.2585, 0.3898,  
0.4564

■ 82.6231, 0.3626,  
0.4115

■ 80.7932, 0.4007,  
0.4744


■ 83.5420, 0.3476,  
0.3866


■ 80.4579, 0.4091,  
0.4884


■ 84.6302, 0.3323,  
0.3614


■ 80.2393, 0.4150,  
0.4981


■ 85.8955, 0.3172,  
0.3365


 80.1213, 0.4182,  
0.5034


 87.3102, 0.3031,  
0.3131

 80.0817, 0.4193,  
0.5052

 87.3110, 0.3031,  
0.3131

 87.3118, 0.3031,  
0.3131

 87.3126, 0.3031,  
0.3131

 87.3134, 0.3031,  
0.3131

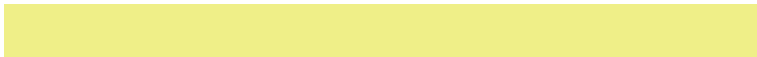
# Harmonies

## Analogous

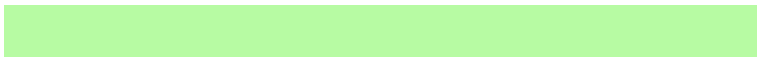
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8613, 0.4188, 0.4071



81.8613, 0.3769, 0.4351



81.8613, 0.3201, 0.4316

# Triad

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



81.8613, 0.3769, 0.4351



81.8613, 0.2066, 0.2760



81.8613, 0.3572, 0.2769

# Complementary

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



81.8613, 0.3769, 0.4351



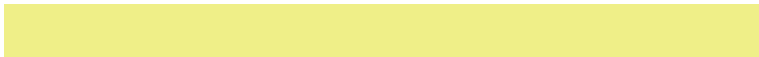
29.0925, 0.2317, 0.1951

# 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.



81.8613, 0.2961, 0.2477



81.8613, 0.3769, 0.4351



81.8613, 0.2141, 0.2442

# Square

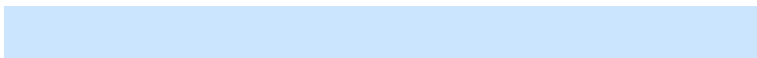
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8613, 0.3769, 0.4351



81.8613, 0.2236, 0.3294



81.8613, 0.2450, 0.2356

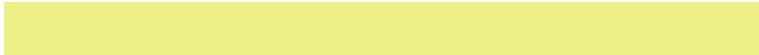


81.8613, 0.4090, 0.3180

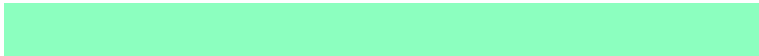


# Rectangle

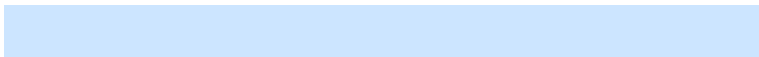
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8613, 0.3769, 0.4351



81.8613, 0.2817, 0.4076



81.8613, 0.2450, 0.2356



81.8613, 0.3367, 0.2656

# Sweetspot

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



81.8650, 0.3769, 0.4351



98.0447, 0.3322, 0.3613



37.8006, 0.4243, 0.3274



20.9221, 0.3356, 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.



81.8650, 0.3769, 0.4351



94.1903, 0.3887, 0.4546



74.3661, 0.3407, 0.4496



18.4589, 0.3268, 0.3523



44.2517, 0.4193, 0.5052



3.6814, 0.4193, 0.5052



# Inverse Universe

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



29.0925, 0.2317, 0.1951



25.4062, 0.2120, 0.1625



34.2682, 0.2706, 0.2079



15.2289, 0.2979, 0.3046



3.4442, 0.1500, 0.0600

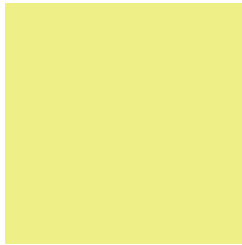


0.2866, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 81.8613, 0.3769, 0.4351 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

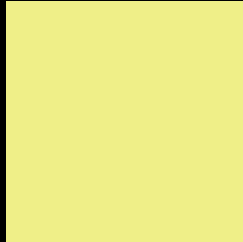
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.8613, 0.3769, 0.4351 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 81.8613, 0.3769, 0.4351**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.8613, 0.3769, 0.4351.

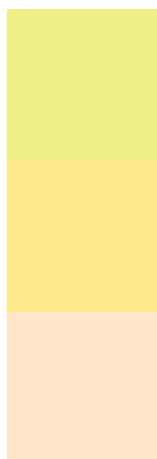


This preview shows how white text looks on a background with the Yxy color 81.8613, 0.3769, 0.4351.

# 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

81.8613, 0.3769, 0.4351

### Protanopia

81.4609, 0.3883, 0.4208

### Deuteranopia

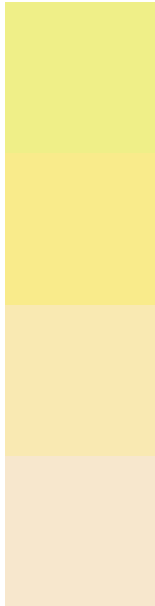
81.5629, 0.3492, 0.3563



## Tritanopia

81.4336, 0.3184, 0.3112

# Trichromacy



## Original Color

81.8613, 0.3769, 0.4351

## Protanomaly

81.4205, 0.3842, 0.4260

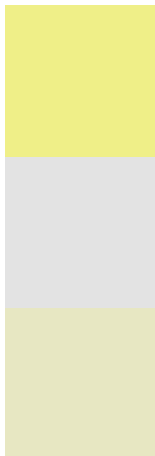
## Deuteranomaly

81.6319, 0.3601, 0.3855

## Tritanomaly

81.3338, 0.3410, 0.3557

# Monochromacy



## Original Color

81.8613, 0.3769, 0.4351

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

78.0358, 0.3367, 0.3687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.8613, 0.3769, 0.4351 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(239, 239, 136)` looks like.

```
.text, #text, p{  
    color:rgb(239, 239, 136)  
}
```

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(239, 239, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 239, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 81.8613, 0.3769, 0.4351 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(239, 239, 136) }
```

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

```
.border{ border-color:rgb(239, 239, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 239, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 239, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 239, 136);  
box-shadow:4px 4px 4px 4px rgb(239, 239,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.8613, 0.3769, 0.4351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 239, 136) }
```

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

```
.background{ background-color: rgb(239,  
239, 136) }
```

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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