

# Converting Colors

Yxy(85.8103, 0.3847, 0.4464)

Have a look what the booklet for  
Yxy(85.8103, 0.3847, 0.4464)  
contains.

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# **Color**

**Yxy(85.6202, 0.3847, 0.4465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F47E
RGB	245, 244, 126
RGB Percent	96%, 96%, 49%
CMY	0.0392, 0.0431, 0.5060
CMYK	0.00, 0.00, 0.49, 0.04
HSL	60°, 86%, 73%
HSV	60°, 49%, 96%
XYZ	73.7695, 85.6202, 32.3688
YIQ	230.8470, 38.4740, -36.4860

# Conversions

## Conversions Part 2

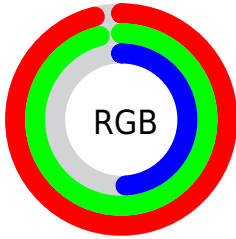
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 245, 126</a>
Decimal	<a href="#">16118910</a>
<a href="#">CIELab</a>	<a href="#">94.15, -15.29, 56.43</a>
<a href="#">CIELCh</a>	<a href="#">94, 58.466, 105.156</a>
<a href="#">Yxy</a>	<a href="#">85.6202, 0.3847, 0.4465</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294308990 (0xFFFF5F47E)</a>
<a href="#">YUV</a>	<a href="#">230.8470, -51.6896, 12.4122</a>
<a href="#">Hunter-Lab</a>	<a href="#">92.5312, -19.6223, 44.0313</a>

# Details

The Yxy color **85.6202, 0.3847, 0.4465** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **26.1949, 0.2199, 0.1763**, and the grayscale version is **80.1618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **47.0123, 0.3969, 0.4702** is the 20% darker color. If you saturate the color by 10%, you get **84.9457, 0.3967, 0.4660**, and if you desaturate by 10%, it is **86.4575, 0.3710, 0.4242**.

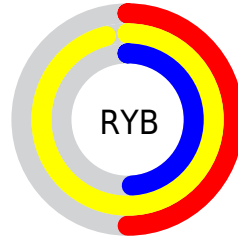
# Distribution



Red (96%)

Green (96%)

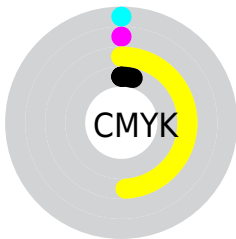
Blue (49%)



Red (50%)

Yellow (96%)

Blue (49%)

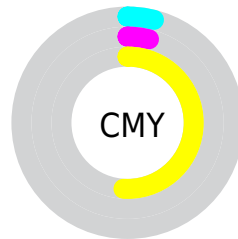


Cyan (0%)

Magenta (0%)

Yellow (49%)

Black (4%)



Cyan (4%)

Magenta (4%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6202, 0.3847, 0.4465 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 85.6202, 0.3847, 0.4465 by changing the saturation by 10% instead.



 85.6202, 0.3847,  
0.4465


 85.6202, 0.3847,  
0.4465


513.6780, 0.3549,  
0.3940


 64.3540, 0.3904,  
0.4576


 141.2394, 0.3752,  
0.4289

 46.9374, 0.3967,  
0.4708


 176.3611, 0.3713,  
0.4219

 32.9862, 0.4037,  
0.4866


 216.8701, 0.3678,  
0.4157

 22.1159, 0.4111,  
0.5054

263.1507, 0.3647,  
0.4103

 13.9421, 0.4179,  
0.5276

315.5875, 0.3618,  
0.4055

 8.0804, 0.4276,  
0.5606

374.5647, 0.3593,

 4.1464, 0.4187,

0.4013

440.4667, 0.3570,  
0.3974

0.5813

1.7558, 0.3950,  
0.6050

0.4594, 0.1214,  
0.8786

85.6202, 0.3847,  
0.4465

85.6202, 0.3847,  
0.4465

84.9457, 0.3967,  
0.4660

86.4575, 0.3710,  
0.4242

84.4108, 0.4066,  
0.4818


87.4562, 0.3561,  
0.4000


84.0062, 0.4138,  
0.4934

88.6296, 0.3408,  
0.3750


83.7164, 0.4184,  
0.5005


89.9866, 0.3255,  
0.3499


 83.5192, 0.4206,  
0.5038


 91.5352, 0.3106,  
0.3256

 83.4944, 0.4208,  
0.5041

 92.0708, 0.3068,  
0.3195

 92.1933, 0.3068,  
0.3197

 92.3160, 0.3068,  
0.3199

 92.4388, 0.3068,  
0.3200

# Harmonies

## Analogous

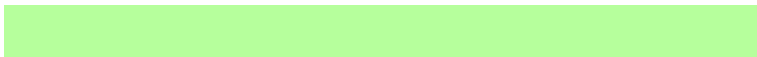
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6202, 0.4310, 0.4131



85.6202, 0.3847, 0.4465



85.6202, 0.3219, 0.4454

# Triad

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



85.6202, 0.3847, 0.4465



85.6202, 0.1960, 0.2708



85.6202, 0.3600, 0.2703

# Complementary

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



85.6202, 0.3847, 0.4465



26.1949, 0.2199, 0.1763

# 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.



85.6202, 0.2920, 0.2390



85.6202, 0.3847, 0.4465



85.6202, 0.2035, 0.2357

# Square

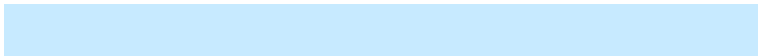
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6202, 0.3847, 0.4465



85.6202, 0.2150, 0.3307



85.6202, 0.2364, 0.2262



85.6202, 0.4189, 0.3147



# Rectangle

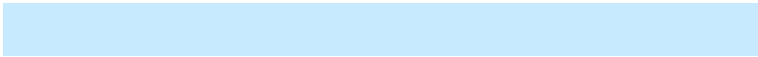
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6202, 0.3847, 0.4465



85.6202, 0.2793, 0.4193



85.6202, 0.2364, 0.2262



85.6202, 0.3371, 0.2581

# Sweetspot

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



85.6241, 0.3847, 0.4465



97.5755, 0.3353, 0.3660



35.8850, 0.4470, 0.3273



20.8203, 0.3386, 0.3714



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.



85.6241, 0.3847, 0.4465



93.0674, 0.3962, 0.4652



77.4298, 0.3433, 0.4661



19.2887, 0.3269, 0.3522



44.9945, 0.4208, 0.5041



3.9620, 0.4206, 0.5043



# Inverse Universe

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



26.1949, 0.2199, 0.1763



21.1449, 0.1997, 0.1431



31.6375, 0.2635, 0.1913



15.9486, 0.2979, 0.3047



3.5849, 0.1502, 0.0605

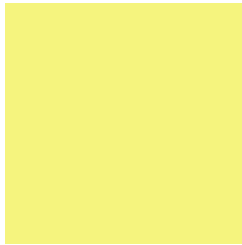


0.3227, 0.1505, 0.0618



# Previews

## White Background



This preview shows how the Yxy color 85.6202, 0.3847, 0.4465 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

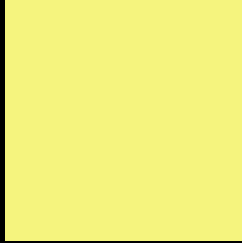
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.6202, 0.3847, 0.4465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

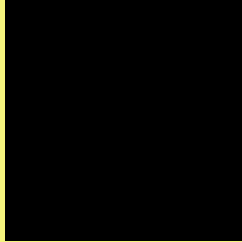
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.6202, 0.3847, 0.4465**

## Background



This preview shows how black text looks on a background with the Yxy color 85.6202, 0.3847, 0.4465.

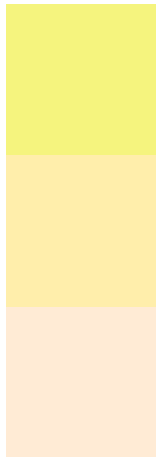


This preview shows how white text looks on a background with the Yxy color 85.6202, 0.3847, 0.4465.

# 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

85.6202, 0.3847, 0.4465

### Protanopia

85.3493, 0.3676, 0.3963

### Deuteranopia

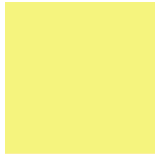
85.4808, 0.3407, 0.3510



## Tritanopia

85.6886, 0.3188, 0.3144

# Trichromacy



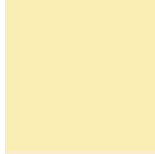
## Original Color

85.6202, 0.3847, 0.4465



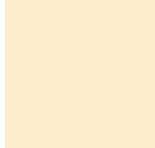
## Protanomaly

85.1960, 0.3741, 0.4147



## Deuteranomaly

84.9945, 0.3583, 0.3869



## Tritanomaly

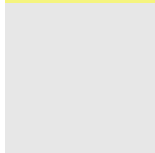
84.8119, 0.3443, 0.3625

# Monochromacy



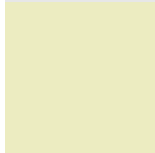
## Original Color

85.6202, 0.3847, 0.4465



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

81.6740, 0.3401, 0.3743

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.6202, 0.3847, 0.4465 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(245, 244, 126)` looks like.

```
.text, #text, p{  
    color:rgb(245, 244, 126)  
}
```

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(245, 244, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 244, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 85.6202, 0.3847, 0.4465 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(245, 244, 126) }
```

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

```
.border{ border-color:rgb(245, 244, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 244, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 244, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 244, 126);  
box-shadow:4px 4px 4px 4px rgb(245, 244,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.6202, 0.3847, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 244, 126) }
```

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

```
.background{ background-color: rgb(245,  
244, 126) }
```

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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