

# Converting Colors

$Y_{xy}(85.7571, 0.3758, 0.4644)$

Have a look what the booklet for  
Yxy(85.7571, 0.3758, 0.4644)  
contains.

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# Color

**Yxy(85.6703, 0.3760, 0.4645)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E5F974                      |
| RGB         | 229, 249, 116               |
| RGB Percent | 90%, 98%, 45%               |
| CMY         | 0.1019, 0.0235, 0.5449      |
| CMYK        | 0.08, 0.00, 0.53, 0.02      |
| HSL         | 69°, 92%, 72%               |
| HSV         | 69°, 53%, 98%               |
| XYZ         | 69.3478, 85.6703, 29.4175   |
| YIQ         | 227.8580, 30.7730, -45.6030 |

# Conversions

## Conversions Part 2

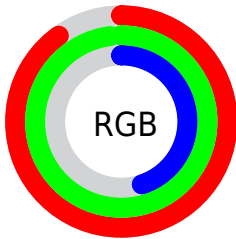
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 116, 249, 136                 |
| Decimal                             | 15071604                      |
| CIE <sub>Lab</sub>                  | 94.17, -24.75, 60.66          |
| CIE <sub>LCh</sub>                  | 94, 65.511, 112.197           |
| Yxy                                 | 85.6703, 0.3760,<br>0.4645    |
| Android<br>(android.graphics.Color) | 4293261684<br>(0xFFE5F974)    |
| YUV                                 | 227.8580, -55.1460,<br>1.0015 |
| Hunter-Lab                          | 92.5583, -28.2387,<br>45.9468 |

# Details

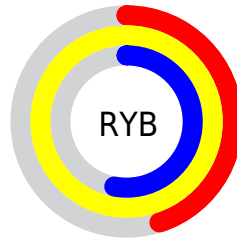
The Yxy color **85.6703, 0.3760, 0.4645** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **24.5780, 0.2224, 0.1631**, and the grayscale version is **77.8753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7203, 0.3626, 0.4115**, and **47.1348, 0.3847, 0.4940** is the 20% darker color. If you saturate the color by 10%, you get **84.5610, 0.3841, 0.4854**, and if you desaturate by 10%, it is **86.9560, 0.3659, 0.4407**.

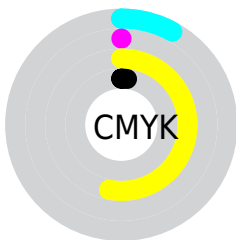
# Distribution



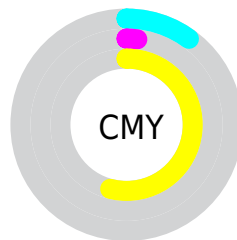
- Red (90%)
- Green (98%)
- Blue (45%)



- Red (45%)
- Yellow (98%)
- Blue (53%)



- Cyan (8%)
- Magenta (0%)
- Yellow (53%)
- Black (2%)




- Cyan (10%)
- Magenta (2%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6703, 0.3760, 0.4645 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 85.6703, 0.3760, 0.4645 by changing the saturation by 10% instead.




 85.6703, 0.3760,  
0.4645


 85.6703, 0.3760,  
0.4645


513.8434, 0.3511,  
0.4031

 64.3954, 0.3803,  
0.4777


 141.3093, 0.3684,  
0.4438

 46.9710, 0.3849,  
0.4933


 176.4422, 0.3652,  
0.4356

 33.0127, 0.3894,  
0.5120


 216.9632, 0.3622,  
0.4284

 22.1362, 0.3933,  
0.5346

263.2566, 0.3595,  
0.4221

 13.9570, 0.3949,  
0.5613

315.7070, 0.3571,  
0.4165

 8.0908, 0.3976,  
0.6024

374.6987, 0.3549,

 4.1531, 0.3744,

0.4115

440.6160, 0.3529,  
0.4071

0.6256

1.7596, 0.3353,  
0.6647

0.4618, 0.0000,  
1.0000

85.6703, 0.3760,  
0.4645

85.6703, 0.3760,  
0.4645

84.5610, 0.3841,  
0.4854

86.9560, 0.3659,  
0.4407

83.6035, 0.3898,  
0.5025

88.4177, 0.3545,  
0.4151


82.7870, 0.3929,  
0.5152


90.0697, 0.3421,  
0.3887


82.0935, 0.3933,  
0.5232

91.9215, 0.3295,  
0.3626

 81.6855, 0.3926,  
0.5265

 93.9819, 0.3169,  
0.3373

 95.5679, 0.3108,  
0.3232

 96.2310, 0.3130,  
0.3233

# Harmonies

## Analogous

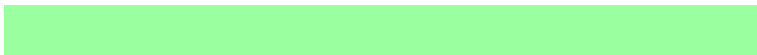
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6703, 0.4340, 0.4319



85.6703, 0.3760, 0.4645



85.6703, 0.3047, 0.4532

# Triad

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



85.6703, 0.3760, 0.4645



85.6703, 0.1835, 0.2517



85.6703, 0.3830, 0.2744

# Complementary

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



85.6703, 0.3760, 0.4645



24.5780, 0.2224, 0.1631

# 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.



85.6703, 0.3063, 0.2363



85.6703, 0.3760, 0.4645



85.6703, 0.1983, 0.2209

# Square

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



85.6703, 0.3760, 0.4645



85.6703, 0.1969, 0.3122



85.6703, 0.2403, 0.2170



85.6703, 0.4427, 0.3247



# Rectangle

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



85.6703, 0.3760, 0.4645



85.6703, 0.2593, 0.4162



85.6703, 0.2403, 0.2170



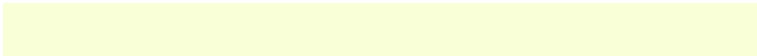
85.6703, 0.3578, 0.2599

# Sweetspot

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



85.6742, 0.3760, 0.4645



96.5008, 0.3328, 0.3694



39.0074, 0.4580, 0.3501



20.5676, 0.3354, 0.3748



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.



85.6742, 0.3760, 0.4645



89.1907, 0.3846, 0.4867



76.7554, 0.3307, 0.4876



20.0509, 0.3245, 0.3526



43.7751, 0.3930, 0.5261



4.0890, 0.3963, 0.5235



# Inverse Universe

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



24.5780, 0.2224, 0.1631



18.5751, 0.2016, 0.1287



31.9631, 0.2764, 0.1847



16.7682, 0.3002, 0.3046



3.9131, 0.1561, 0.0633

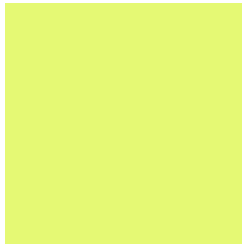


0.3984, 0.1651, 0.0683



# Previews

## White Background



This preview shows how the Yxy color 85.6703, 0.3760, 0.4645 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 85.6703, 0.3760, 0.4645 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

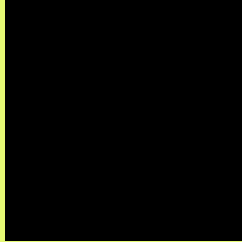
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.6703, 0.3760, 0.4645**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.6703, 0.3760, 0.4645.

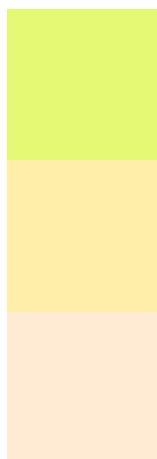


This preview shows how white text looks on a background with the Yxy color 85.6703, 0.3760, 0.4645.

# 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

85.6703, 0.3760, 0.4645

### Protanopia

85.2736, 0.3689, 0.3983

### Deuteranopia

85.4301, 0.3413, 0.3520



## Tritanopia

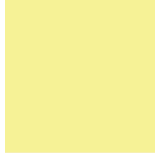
85.1706, 0.3076, 0.3102

# Trichromacy



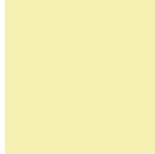
## Original Color

85.6703, 0.3760, 0.4645



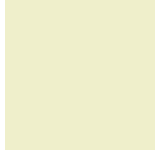
## Protanomaly

85.2991, 0.3727, 0.4225



## Deuteranomaly

85.0873, 0.3567, 0.3937



## Tritanomaly

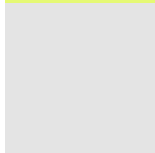
84.3955, 0.3353, 0.3664

# Monochromacy



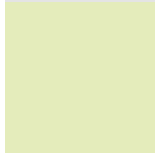
## Original Color

85.6703, 0.3760, 0.4645



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

80.0727, 0.3383, 0.3817

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  85.6703, 0.3760, 0.4645 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(229, 249, 116)` looks like.

```
.text, #text, p{  
    color:rgb(229, 249, 116)  
}
```

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(229, 249, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 249, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 85.6703, 0.3760, 0.4645 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(229, 249, 116) }
```

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

```
.border{ border-color:rgb(229, 249, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 249, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 249, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 249, 116);  
box-shadow:4px 4px 4px 4px rgb(229, 249,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.6703, 0.3760, 0.4645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 249, 116) }
```

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

```
.background{ background-color: rgb(229,  
249, 116) }
```

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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