

Converting Colors

$Yxy(85.3600, 0.3667, 0.4304)$

Have a look what the booklet for
Yxy(85.3600, 0.3667, 0.4304)
contains.

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Color

Yxy(85.4159, 0.3670, 0.4303)

Conversions

Conversions Part 1

Format	Color
Hex	EDF593
RGB	237, 245, 147
RGB Percent	93%, 96%, 58%
CMY	0.0704, 0.0392, 0.4237
CMYK	0.03, 0.00, 0.40, 0.04
HSL	65°, 83%, 77%
HSV	65°, 40%, 96%
XYZ	72.8507, 85.4159, 40.2366
YIQ	231.4360, 26.6900, -32.1740

Conversions

Conversions Part 2

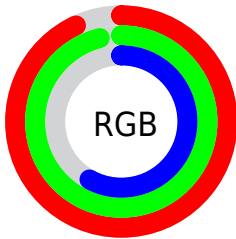
Format	Color
RYB	147, 245, 155
Decimal	15594899
CIELab	94.06, -16.82, 46.24
CIELCh	94, 49.206, 109.993
Yxy	85.4159, 0.3670, 0.4303
Android (android.graphics.Color)	4293784979 (0xFFEDF593)
YUV	231.4360, -41.6269, 4.8796
Hunter-Lab	92.4207, -21.0336, 38.8818

Details

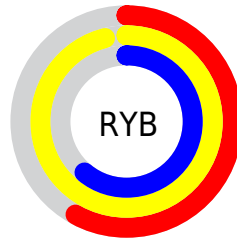
The Yxy color **85.4159, 0.3670, 0.4303** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.4114, 0.2439, 0.2076**, and the grayscale version is **80.5583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **46.9066, 0.3771, 0.4531** is the 20% darker color. If you saturate the color by 10%, you get **84.3903, 0.3789, 0.4537**, and if you desaturate by 10%, it is **86.6168, 0.3539, 0.4052**.

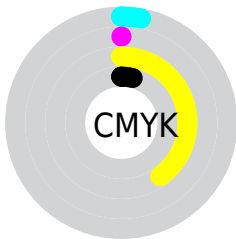
Distribution



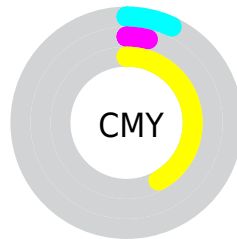
- Red (93%)
- Green (96%)
- Blue (58%)



- Red (58%)
- Yellow (96%)
- Blue (61%)



- Cyan (3%)
- Magenta (0%)
- Yellow (40%)
- Black (4%)





- Cyan (7%)
- Magenta (4%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4159, 0.3670, 0.4303 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 85.4159, 0.3670, 0.4303 by changing the saturation by 10% instead.

 85.4159, 0.3670,
0.4303


 85.4159, 0.3670,
0.4303


513.0033, 0.3442,
0.3842

 64.1851, 0.3715,
0.4404


 140.9541, 0.3596,
0.4146

 46.8006, 0.3767,
0.4527


 176.0303, 0.3566,
0.4084

 32.8780, 0.3826,
0.4677


216.4904, 0.3539,
0.4030

 22.0330, 0.3892,
0.4863

262.7188, 0.3515,
0.3983

 13.8812, 0.3961,
0.5098

315.0998, 0.3494,
0.3941

 8.0381, 0.4019,
0.5395

374.0180, 0.3475,

 4.1193, 0.4114,

0.3904

0.5886

439.8577, 0.3458,
0.3871

■ 1.7405, 0.3851,
0.6149

■ 0.4497, 0.0358,
0.9642

■ 85.4159, 0.3670,
0.4303

■ 85.4159, 0.3670,
0.4303

■ 84.3903, 0.3789,
0.4537

■ 86.6168, 0.3539,
0.4052

■ 83.5178, 0.3890,
0.4744


■ 87.9910, 0.3402,
0.3794


■ 82.7908, 0.3968,
0.4914


■ 89.5512, 0.3263,
0.3538

■ 82.1956, 0.4020,
0.5041


■ 91.3056, 0.3127,
0.3290


 81.7164, 0.4045,
0.5123

 92.2949, 0.3081,
0.3193

 81.3271, 0.4049,
0.5167

 92.6586, 0.3093,
0.3193

 93.0261, 0.3106,
0.3194

 93.3975, 0.3119,
0.3194

 93.7729, 0.3131,
0.3194

Harmonies

Analogous

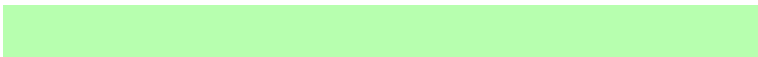
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4159, 0.4089, 0.4078



85.4159, 0.3670, 0.4303



85.4159, 0.3127, 0.4217

Triad

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



85.4159, 0.3670, 0.4303



85.4159, 0.2118, 0.2741



85.4159, 0.3620, 0.2845

Complementary

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



85.4159, 0.3670, 0.4303



34.4114, 0.2439, 0.2076

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.



85.4159, 0.3046, 0.2548



85.4159, 0.3670, 0.4303



85.4159, 0.2220, 0.2467

Square

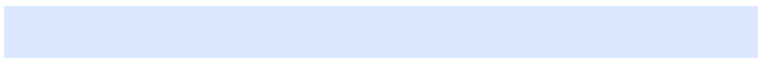
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.4159, 0.3670, 0.4303



85.4159, 0.2251, 0.3222



85.4159, 0.2543, 0.2410



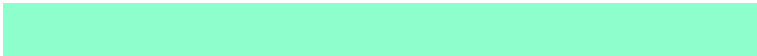
85.4159, 0.4078, 0.3246

Rectangle

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



85.4159, 0.3670, 0.4303



85.4159, 0.2770, 0.3964



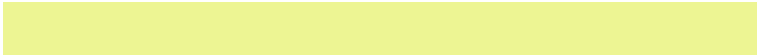
85.4159, 0.2543, 0.2410



85.4159, 0.3431, 0.2731

Sweetspot

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



85.4198, 0.3670, 0.4303



97.7152, 0.3291, 0.3589



44.4651, 0.4116, 0.3364



20.8658, 0.3309, 0.3622



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

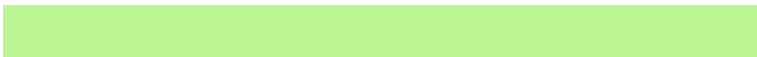
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4198, 0.3670, 0.4303



92.6255, 0.3767, 0.4494



78.2851, 0.3336, 0.4426



19.2411, 0.3256, 0.3525



43.8425, 0.4052, 0.5165



3.8732, 0.4070, 0.5150

Inverse Universe

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



34.4114, 0.2439, 0.2076



29.6845, 0.2271, 0.1792



40.0788, 0.2811, 0.2191



15.9910, 0.2992, 0.3046



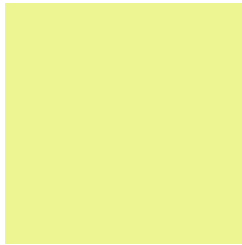
3.6541, 0.1526, 0.0614



0.3429, 0.1586, 0.0648

Previews

White Background



This preview shows how the Yxy color 85.4159, 0.3670, 0.4303 looks on a white background.

Color Contrast Check

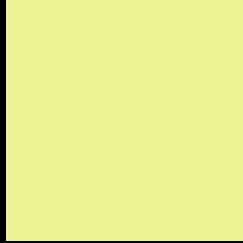
Large Text (above 18pt) WCAG AA × Fail

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 85.4159, 0.3670, 0.4303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

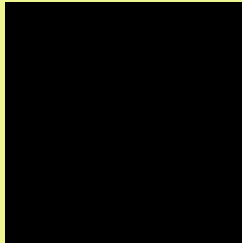
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.4159, 0.3670, 0.4303

Background



This preview shows how black text looks on a background with the Yxy color 85.4159, 0.3670, 0.4303.

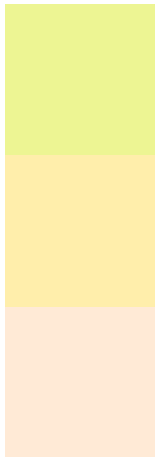


This preview shows how white text looks on a background with the Yxy color 85.4159, 0.3670, 0.4303.

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

85.4159, 0.3670, 0.4303

Protanopia

85.3493, 0.3676, 0.3963

Deuteranopia

84.9607, 0.3402, 0.3490



Tritanopia

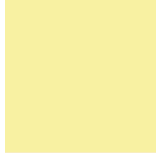
85.3826, 0.3122, 0.3113

Trichromacy



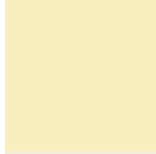
Original Color

85.4159, 0.3670, 0.4303



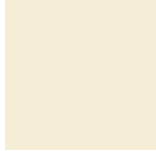
Protanomaly

85.4757, 0.3673, 0.4094



Deuteranomaly

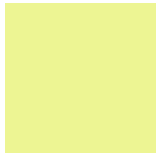
84.8232, 0.3503, 0.3781



Tritanomaly

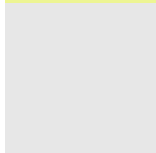
84.7849, 0.3334, 0.3535

Monochromacy



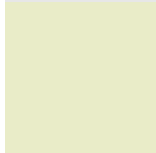
Original Color

85.4159, 0.3670, 0.4303



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.4847, 0.3335, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4159, 0.3670, 0.4303 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(237, 245, 147)` looks like.

```
.text, #text, p{  
    color:rgb(237, 245, 147)  
}
```

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(237, 245, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 245, 147) }
```

Border

The CSS property to change the border of an element to Yxy 85.4159, 0.3670, 0.4303 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(237, 245, 147) }
```

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

```
.border{ border-color:rgb(237, 245, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 245, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 245, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 245, 147);  
box-shadow:4px 4px 4px 4px rgb(237, 245,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4159, 0.3670, 0.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 245, 147) }
```

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

```
.background{ background-color: rgb(237,  
245, 147) }
```

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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