

Converting Colors

$Yxy(85.8854, 0.3680, 0.4397)$

Have a look what the booklet for
Yxy(85.8854, 0.3680, 0.4397)
contains.

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Color

Yxy(85.9074, 0.3680, 0.4396)

Conversions

Conversions Part 1

Format	Color
Hex	EA F7 8C
RGB	234, 247, 140
RGB Percent	92%, 97%, 55%
CMY	0.0825, 0.0313, 0.4510
CMYK	0.05, 0.00, 0.43, 0.03
HSL	67°, 87%, 76%
HSV	67°, 43%, 97%
XYZ	71.9152, 85.9074, 37.5991
YIQ	230.9150, 26.5990, -36.0330

Conversions

Conversions Part 2

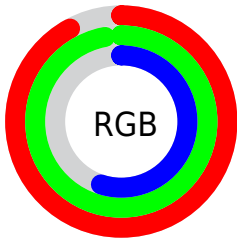
Format	Color
R_{YB}	140, 247, 153
Decimal	15398796
CIE _{Lab}	94.27, -19.70, 49.81
CIE _{LCh}	94, 53.565, 111.578
Yxy	85.9074, 0.3680, 0.4396
Android (android.graphics.Color)	4293588876 (0xFFEAF78C)
YUV	230.9150, -44.8211, 2.7055
Hunter-Lab	92.6862, -23.7029, 40.8288

Details

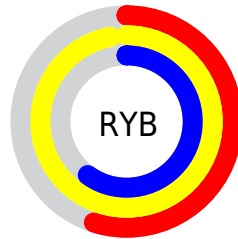
The Yxy color **85.9074, 0.3680, 0.4396** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.2489, 0.2401, 0.1970**, and the grayscale version is **80.1668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **47.2968, 0.3777, 0.4642** is the 20% darker color. If you saturate the color by 10%, you get **84.7567, 0.3786, 0.4629**, and if you desaturate by 10%, it is **87.2380, 0.3560, 0.4144**.

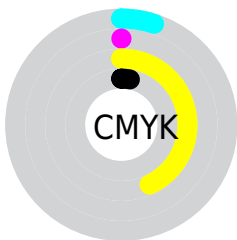
Distribution



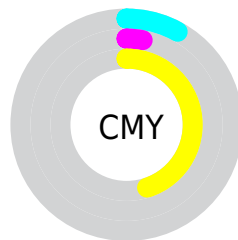
- Red (92%)
- Green (97%)
- Blue (55%)



- Red (55%)
- Yellow (97%)
- Blue (60%)



- Cyan (5%)
- Magenta (0%)
- Yellow (43%)
- Black (3%)




- Cyan (8%)
- Magenta (3%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9074, 0.3680, 0.4396 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 85.9074, 0.3680, 0.4396 by changing the saturation by 10% instead.

 85.9074, 0.3680,
0.4396


 85.9074, 0.3680,
0.4396


514.6258, 0.3452,
0.3892

 64.5914, 0.3724,
0.4506


 141.6403, 0.3607,
0.4225

 47.1298, 0.3773,
0.4639

 176.8259, 0.3577,
0.4157

 33.1383, 0.3828,
0.4801


217.4036, 0.3550,
0.4098

 22.2324, 0.3886,
0.5002

263.7576, 0.3526,
0.4047

 14.0278, 0.3940,
0.5252

316.2725, 0.3505,
0.4001

 8.1400, 0.3981,
0.5575

375.3326, 0.3485,

 4.1847, 0.3984,

0.3961

0.6016

441.3222, 0.3468,
0.3925

■ 1.7774, 0.3678,
0.6322

■ 0.4730, 0.0000,
1.0000

■ 85.9074, 0.3680,
0.4396

■ 85.9074, 0.3680,
0.4396

■ 84.7567, 0.3786,
0.4629

■ 87.2380, 0.3560,
0.4144

■ 83.7633, 0.3872,
0.4833


■ 88.7471, 0.3432,
0.3883


■ 82.9185, 0.3935,
0.4998


■ 90.4478, 0.3300,
0.3623

■ 82.2078, 0.3970,
0.5119

■ 92.3487, 0.3170,
0.3371

 81.6138, 0.3980,
0.5194

 93.8981, 0.3093,
0.3213

 81.2650, 0.3976,
0.5225

 94.4566, 0.3112,
0.3213

 95.0128, 0.3131,
0.3214

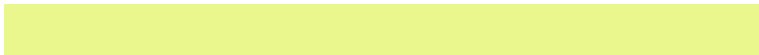
Harmonies

Analogous

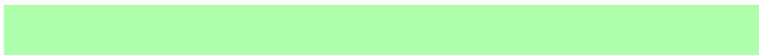
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9074, 0.4148, 0.4155



85.9074, 0.3680, 0.4396



85.9074, 0.3089, 0.4289

Triad

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



85.9074, 0.3680, 0.4396



85.9074, 0.2041, 0.2670



85.9074, 0.3693, 0.2829

Complementary

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



85.9074, 0.3680, 0.4396



32.2489, 0.2401, 0.1970

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.



85.9074, 0.3069, 0.2505



85.9074, 0.3680, 0.4396



85.9074, 0.2163, 0.2392

Square

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



85.9074, 0.3680, 0.4396



85.9074, 0.2168, 0.3179



85.9074, 0.2519, 0.2346



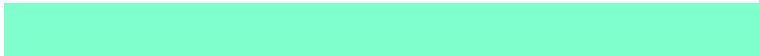
85.9074, 0.4180, 0.3262

Rectangle

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



85.9074, 0.3680, 0.4396



85.9074, 0.2708, 0.4000



85.9074, 0.2519, 0.2346



85.9074, 0.3488, 0.2706

Sweetspot

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



85.9113, 0.3680, 0.4396



97.2866, 0.3296, 0.3615



44.2836, 0.4212, 0.3428



20.7326, 0.3325, 0.3672



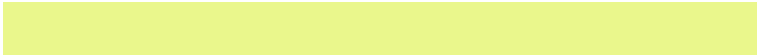
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

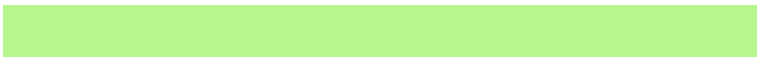
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9113, 0.3680, 0.4396



91.2541, 0.3774, 0.4602



78.2523, 0.3313, 0.4544



19.2050, 0.3250, 0.3525



43.0133, 0.3980, 0.5222



3.8087, 0.4008, 0.5199

Inverse Universe

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



32.2489, 0.2401, 0.1970



26.6906, 0.2224, 0.1666



38.5919, 0.2822, 0.2109



16.0236, 0.2998, 0.3046



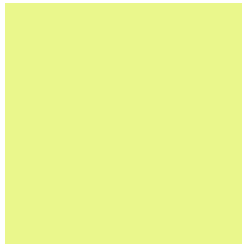
3.7304, 0.1545, 0.0625



0.3583, 0.1629, 0.0671

Previews

White Background



This preview shows how the Yxy color 85.9074, 0.3680, 0.4396 looks on a white background.

Color Contrast Check

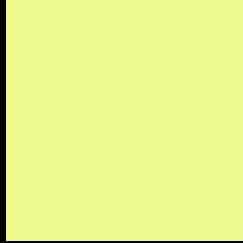
Large Text (above 18pt) WCAG AA × Fail

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 85.9074, 0.3680, 0.4396 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 85.9074, 0.3680, 0.4396

Background



This preview shows how black text looks on a background with the Yxy color 85.9074, 0.3680, 0.4396.

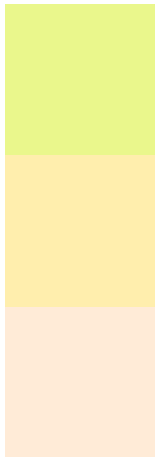


This preview shows how white text looks on a background with the Yxy color 85.9074, 0.3680, 0.4396.

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

85.9074, 0.3680, 0.4396

Protanopia

85.4262, 0.3663, 0.3944

Deuteranopia

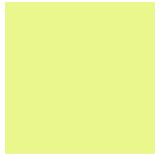
85.5830, 0.3393, 0.3490



Tritanopia

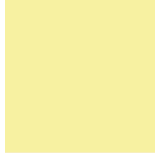
85.6481, 0.3102, 0.3113

Trichromacy



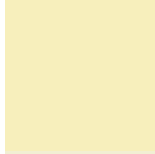
Original Color

85.9074, 0.3680, 0.4396



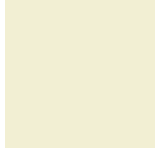
Protanomaly

85.2580, 0.3672, 0.4106



Deuteranomaly

85.1380, 0.3506, 0.3812



Tritanomaly

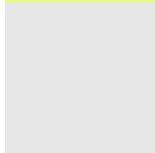
85.3134, 0.3323, 0.3577

Monochromacy



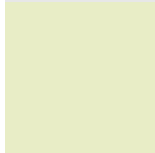
Original Color

85.9074, 0.3680, 0.4396



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.8014, 0.3339, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9074, 0.3680, 0.4396 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(234, 247, 140)` looks like.

```
.text, #text, p{  
    color:rgb(234, 247, 140)  
}
```

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(234, 247, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 247, 140) }
```

Border

The CSS property to change the border of an element to Yxy 85.9074, 0.3680, 0.4396 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(234, 247, 140) }
```

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

```
.border{ border-color:rgb(234, 247, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 247, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 247, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 247, 140);  
box-shadow:4px 4px 4px 4px rgb(234, 247,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9074, 0.3680, 0.4396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 247, 140) }
```

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

```
.background{ background-color: rgb(234,  
247, 140) }
```

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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