

Converting Colors

$Yxy(84.9475, 0.3590, 0.4378)$

Have a look what the booklet for
Yxy(84.9475, 0.3590, 0.4378)
contains.

Yxy(85.1867, 0.3586, 0.4380)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.1867, 0.3586, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	E1F891
RGB	225, 248, 145
RGB Percent	88%, 97%, 57%
CMY	0.1174, 0.0275, 0.4313
CMYK	0.09, 0.00, 0.42, 0.03
HSL	73°, 88%, 77%
HSV	73°, 42%, 97%
XYZ	69.7442, 85.1867, 39.5593
YIQ	229.3810, 19.3550, -36.9090

Conversions

Conversions Part 2

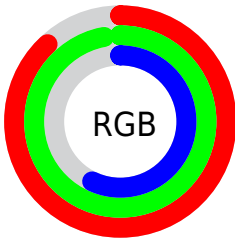
Format	Color
RYB	145, 248, 168
Decimal	14809233
CIELab	93.96, -23.00, 46.88
CIELCh	94, 52.218, 116.131
Yxy	85.1867, 0.3586, 0.4380
Android (android.graphics.Color)	4292999313 (0xFFE1F891)
YUV	229.3810, -41.5998, -3.8421
Hunter-Lab	92.2966, -26.6352, 39.1953

Details

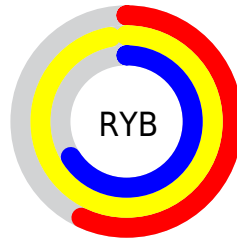
The Yxy color **85.1867, 0.3586, 0.4380** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.3504, 0.2513, 0.2056**, and the grayscale version is **78.9615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **46.7968, 0.3659, 0.4636** is the 20% darker color. If you saturate the color by 10%, you get **83.6335, 0.3676, 0.4634**, and if you desaturate by 10%, it is **86.9432, 0.3483, 0.4113**.

Distribution



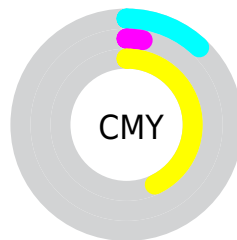
- Red (88%)
- Green (97%)
- Blue (57%)



- Red (57%)
- Yellow (97%)
- Blue (66%)



- Cyan (9%)
- Magenta (0%)
- Yellow (42%)
- Black (3%)





- Cyan (12%)
- Magenta (3%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1867, 0.3586, 0.4380 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 85.1867, 0.3586, 0.4380 by changing the saturation by 10% instead.

 85.1867, 0.3586,
0.4380


 85.1867, 0.3586,
0.4380


512.2456, 0.3399,
0.3878

 63.9957, 0.3621,
0.4492

 140.6340, 0.3527,
0.4208

 46.6472, 0.3661,
0.4627


 175.6590, 0.3502,
0.4140

 32.7568, 0.3705,
0.4795


216.0642, 0.3480,
0.4082

 21.9402, 0.3750,
0.5005

262.2339, 0.3460,
0.4030

 13.8130, 0.3790,
0.5273

314.5525, 0.3442,
0.3985

 7.9907, 0.3806,
0.5620

373.4044, 0.3426,

 4.0890, 0.3821,

0.3946

0.6179

439.1740, 0.3412,
0.3910

■ 1.7235, 0.3455,
0.6545

■ 0.4388, 0.0000,
1.0000

■ 85.1867, 0.3586,
0.4380

■ 85.1867, 0.3586,
0.4380

■ 83.6335, 0.3676,
0.4634

■ 86.9432, 0.3483,
0.4113

■ 82.2609, 0.3748,
0.4864


■ 88.9018, 0.3371,
0.3843


■ 81.0602, 0.3797,
0.5059


■ 91.0758, 0.3257,
0.3579

■ 80.0170, 0.3820,
0.5209

■ 93.4740, 0.3144,
0.3327

 79.1139, 0.3816,
0.5312

 95.1693, 0.3116,
0.3223

 78.4358, 0.3797,
0.5367

 95.6085, 0.3130,
0.3223

Harmonies

Analogous

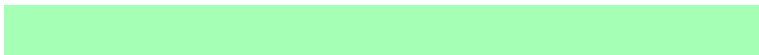
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1867, 0.4071, 0.4189



85.1867, 0.3586, 0.4380



85.1867, 0.3003, 0.4214

Triad

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



85.1867, 0.3586, 0.4380



85.1867, 0.2065, 0.2628



85.1867, 0.3767, 0.2898

Complementary

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



85.1867, 0.3586, 0.4380



35.3504, 0.2513, 0.2056

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.



85.1867, 0.3163, 0.2560



85.1867, 0.3586, 0.4380



85.1867, 0.2221, 0.2389

Square

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



85.1867, 0.3586, 0.4380



85.1867, 0.2153, 0.3096



85.1867, 0.2603, 0.2376



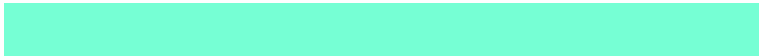
85.1867, 0.4204, 0.3333

Rectangle

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



85.1867, 0.3586, 0.4380



85.1867, 0.2640, 0.3900



85.1867, 0.2603, 0.2376



85.1867, 0.3573, 0.2771

Sweetspot

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



85.1905, 0.3586, 0.4380



96.9141, 0.3263, 0.3592



49.7562, 0.4098, 0.3534



20.6762, 0.3278, 0.3626



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

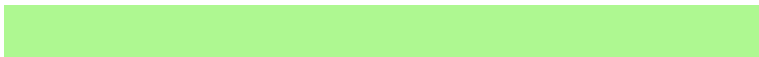
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1905, 0.3586, 0.4380



89.3329, 0.3664, 0.4599



78.1938, 0.3242, 0.4512



19.9844, 0.3234, 0.3527



42.4400, 0.3804, 0.5362



3.9769, 0.3853, 0.5323

Inverse Universe

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



35.3504, 0.2513, 0.2056



29.5852, 0.2356, 0.1769



42.0629, 0.2925, 0.2188



16.8293, 0.3014, 0.3047



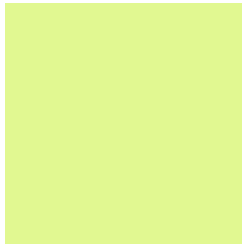
4.1537, 0.1617, 0.0665



0.4295, 0.1727, 0.0725

Previews

White Background



This preview shows how the Yxy color 85.1867, 0.3586, 0.4380 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 85.1867, 0.3586, 0.4380 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 85.1867, 0.3586, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 85.1867, 0.3586, 0.4380.

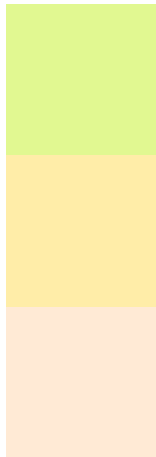


This preview shows how white text looks on a background with the Yxy color 85.1867, 0.3586, 0.4380.

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

85.1867, 0.3586, 0.4380

Protanopia

84.6555, 0.3699, 0.3984

Deuteranopia

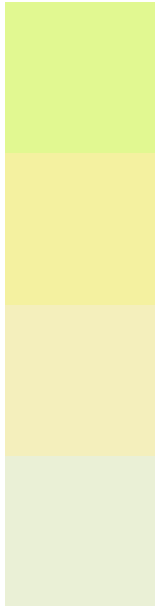
84.9097, 0.3408, 0.3500



Tritanopia

84.9231, 0.3038, 0.3101

Trichromacy



Original Color

85.1867, 0.3586, 0.4380

Protanomaly

84.6818, 0.3656, 0.4122

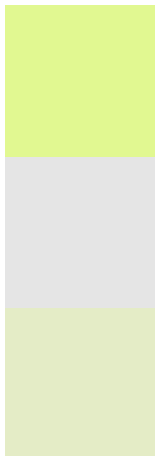
Deuteranomaly

84.5969, 0.3485, 0.3816

Tritanomaly

84.6676, 0.3248, 0.3561

Monochromacy



Original Color

85.1867, 0.3586, 0.4380

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

80.5621, 0.3312, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1867, 0.3586, 0.4380 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(225, 248, 145)` looks like.

```
.text, #text, p{  
    color:rgb(225, 248, 145)  
}
```

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(225, 248, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 248, 145) }
```

Border

The CSS property to change the border of an element to Yxy 85.1867, 0.3586, 0.4380 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(225, 248, 145) }
```

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

```
.border{ border-color:rgb(225, 248, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 248, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 248, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 248, 145);  
box-shadow:4px 4px 4px 4px rgb(225, 248,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1867, 0.3586, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 248, 145) }
```

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

```
.background{ background-color: rgb(225,  
248, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor