

Converting Colors

$Y_{xy}(85.0871, 0.3585, 0.3912)$

Have a look what the booklet for
Yxy(85.0871, 0.3585, 0.3912)
contains.

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Color

Yxy(85.0871, 0.3585, 0.3912)

Conversions

Conversions Part 1

Format	Color
Hex	F9EFB2
RGB	249, 239, 178
RGB Percent	98%, 94%, 70%
CMY	0.0235, 0.0627, 0.3019
CMYK	0.00, 0.04, 0.29, 0.02
HSL	52°, 86%, 84%
HSV	52°, 29%, 98%
XYZ	77.9748, 85.0871, 54.4410
YIQ	235.0360, 25.5410, -16.8510

Conversions

Conversions Part 2

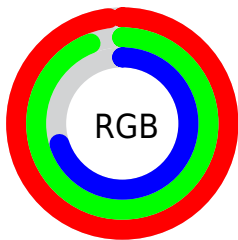
Format	Color
R_{YB}	190, 249, 178
Decimal	16379826
CIE _{Lab}	93.92, -5.73, 30.78
CIE _{LCh}	94, 31.307, 100.543
Yxy	85.0871, 0.3585, 0.3912
Android (android.graphics.Color)	4294569906 (0xFFF9EFB2)
YUV	235.0360, -28.1187, 12.2464
Hunter-Lab	92.2427, -10.5347, 29.5773

Details

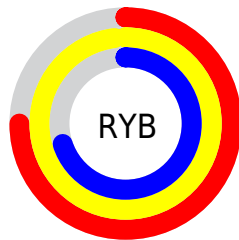
The Yxy color **85.0871, 0.3585, 0.3912** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.2881, 0.2638, 0.2580**, and the grayscale version is **83.3149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **46.5541, 0.3682, 0.4045** is the 20% darker color. If you saturate the color by 10%, you get **82.1426, 0.3754, 0.4129**, and if you desaturate by 10%, it is **88.2609, 0.3418, 0.3690**.

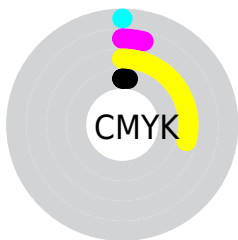
Distribution



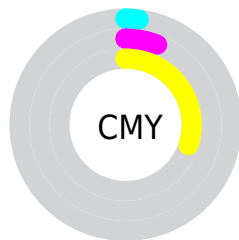
- Red (98%)
- Green (94%)
- Blue (70%)



- Red (75%)
- Yellow (98%)
- Blue (70%)



- Cyan (0%)
- Magenta (4%)
- Yellow (29%)
- Black (2%)



- Cyan (2%)
- Magenta (6%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0871, 0.3585, 0.3912 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 85.0871, 0.3585, 0.3912 by changing the saturation by 10% instead.

85.0871, 0.3585,
0.3912

85.0871, 0.3585,
0.3912

511.9162, 0.3383,
0.3631

63.9134, 0.3628,
0.3974

140.4949, 0.3517,
0.3816

46.5805, 0.3681,
0.4049

175.4977, 0.3490,
0.3778

32.7041, 0.3744,
0.4143

215.8789, 0.3466,
0.3746

21.8999, 0.3823,
0.4261

262.0231, 0.3446,
0.3717

13.7834, 0.3923,
0.4414

314.3145, 0.3427,
0.3692

7.9701, 0.4048,
0.4618

373.1376, 0.3411,

4.0759, 0.4213,

0.3669

0.4906

438.8767, 0.3396,
0.3649

■ 1.7161, 0.4534,
0.5466

■ 0.4340, 0.3859,
0.6141

■ 85.0871, 0.3585,
0.3912

■ 85.0871, 0.3585,
0.3912

■ 82.1426, 0.3754,
0.4129

■ 88.2609, 0.3418,
0.3690

■ 79.4057, 0.3919,
0.4333

■ 91.6617, 0.3257,
0.3471

■ 76.8693, 0.4074,
0.4512

■ 95.3020, 0.3105,
0.3259

■ 74.5213, 0.4211,
0.4657

■ 97.6462, 0.3091,
0.3271

■ 72.3477, 0.4323,
0.4760

■ 98.8828, 0.3090,
0.3290

■ 70.3321, 0.4407,
0.4817

■ 68.4516, 0.4464,
0.4831

■ 68.1786, 0.4471,
0.4832

Harmonies

Analogous

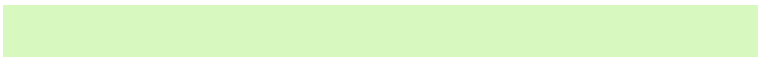
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0871, 0.3800, 0.3746



85.0871, 0.3585, 0.3912



85.0871, 0.3253, 0.3904

Triad

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



85.0871, 0.3585, 0.3912



85.0871, 0.2473, 0.3037



85.0871, 0.3334, 0.2926

Complementary

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



85.0871, 0.3585, 0.3912



52.2881, 0.2638, 0.2580

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.



85.0871, 0.2970, 0.2754



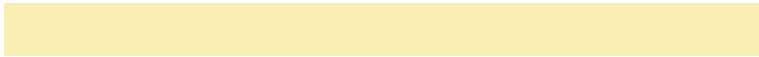
85.0871, 0.3585, 0.3912



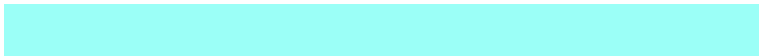
85.0871, 0.2490, 0.2801

Square

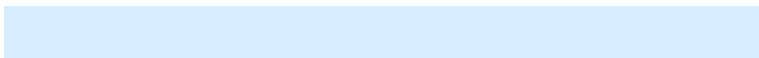
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0871, 0.3585, 0.3912



85.0871, 0.2618, 0.3370



85.0871, 0.2666, 0.2706



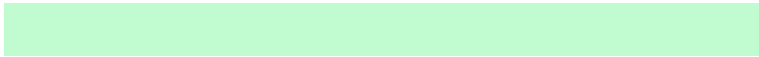
85.0871, 0.3655, 0.3184

Rectangle

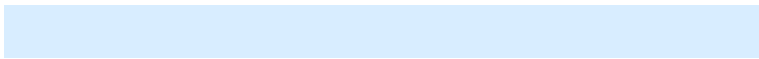
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0871, 0.3585, 0.3912



85.0871, 0.3014, 0.3788



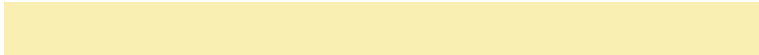
85.0871, 0.2666, 0.2706



85.0871, 0.3211, 0.2857

Sweetspot

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



85.0909, 0.3585, 0.3912



96.5607, 0.3265, 0.3481



55.6499, 0.3663, 0.3178



20.5531, 0.3288, 0.3513



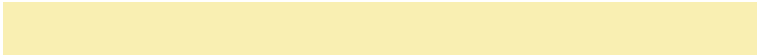
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

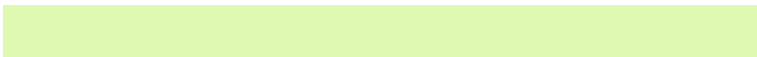
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0909, 0.3585, 0.3912



88.0613, 0.3679, 0.4033



86.8505, 0.3388, 0.4047



19.7487, 0.3272, 0.3492



36.6491, 0.4466, 0.4836



3.5053, 0.4428, 0.4866

Inverse Universe

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



52.2881, 0.2638, 0.2580



48.4352, 0.2529, 0.2417



51.3659, 0.2804, 0.2500



17.0379, 0.2979, 0.3080



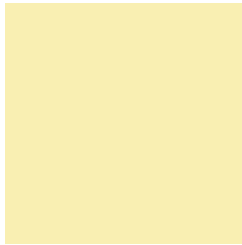
4.4277, 0.1531, 0.0711



0.5265, 0.1579, 0.0883

Previews

White Background



This preview shows how the Yxy color 85.0871, 0.3585, 0.3912 looks on a white background.

Color Contrast Check

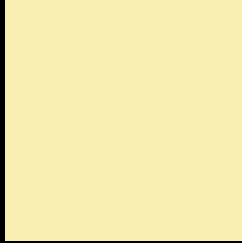
Large Text (above 18pt) WCAG AA × Fail

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 85.0871, 0.3585, 0.3912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

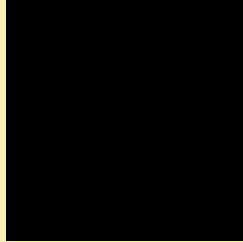
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.0871, 0.3585, 0.3912

Background



This preview shows how black text looks on a background with the Yxy color 85.0871, 0.3585, 0.3912.



This preview shows how white text looks on a background with the Yxy color 85.0871, 0.3585, 0.3912.

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

85.0871, 0.3585, 0.3912

Protanopia

85.0027, 0.3640, 0.3894

Deuteranopia

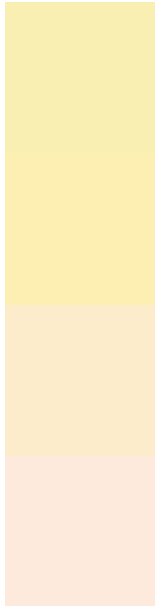
85.1154, 0.3382, 0.3460



Tritanopia

85.0656, 0.3195, 0.3144

Trichromacy



Original Color

85.0871, 0.3585, 0.3912

Protanomaly

85.2060, 0.3623, 0.3907

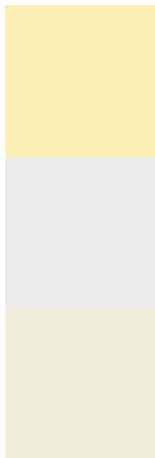
Deuteranomaly

85.1853, 0.3457, 0.3623

Tritanomaly

84.9487, 0.3341, 0.3420

Monochromacy



Original Color

85.0871, 0.3585, 0.3912

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3712, 0.3294, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0871, 0.3585, 0.3912 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(249, 239, 178)` looks like.

```
.text, #text, p{  
    color:rgb(249, 239, 178)  
}
```

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(249, 239, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 239, 178) }
```

Border

The CSS property to change the border of an element to Yxy 85.0871, 0.3585, 0.3912 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(249, 239, 178) }
```

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

```
.border{ border-color:rgb(249, 239, 178) }
```

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

Here you see how a box with a 4 pixel rgb(249, 239, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 239, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 239, 178);  
box-shadow:4px 4px 4px 4px rgb(249, 239,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0871, 0.3585, 0.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 239, 178) }
```

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

```
.background{ background-color: rgb(249,  
239, 178) }
```

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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