

Converting Colors

$Yxy(85.8333, 0.3189, 0.3745)$

Have a look what the booklet for
Yxy(85.8333, 0.3189, 0.3745)
contains.

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Color

Yxy(85.8347, 0.3189, 0.3740)

Conversions

Conversions Part 1

Format	Color
Hex	DAF7CD
RGB	218, 247, 205
RGB Percent	85%, 97%, 80%
CMY	0.1452, 0.0313, 0.1960
CMYK	0.12, 0.00, 0.17, 0.03
HSL	101°, 72%, 89%
HSV	101°, 17%, 97%
XYZ	73.1890, 85.8347, 70.4808
YIQ	233.5410, -3.8020, -19.2100

Conversions

Conversions Part 2

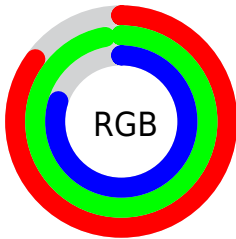
Format	Color
R_YB	205, 247, 234
Decimal	14350285
CIE Lab	94.24, -16.89, 17.06
CIE LCh	94, 24.010, 134.709
Yxy	85.8347, 0.3189, 0.3740
Android (android.graphics.Color)	4292540365 (0xFFDAF7CD)
YUV	233.5410, -14.0707, -13.6295
Hunter-Lab	92.6470, -21.1214, 19.7483

Details

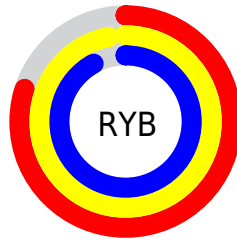
The Yxy color **85.8347, 0.3189, 0.3740** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.8925, 0.3053, 0.2856**, and the grayscale version is **82.0245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2825, 0.3199, 0.3846** is the 20% darker color. If you saturate the color by 10%, you get **82.2389, 0.3222, 0.4039**, and if you desaturate by 10%, it is **89.8977, 0.3153, 0.3466**.

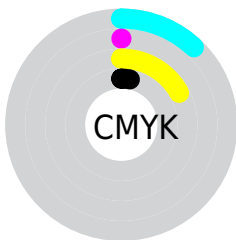
Distribution



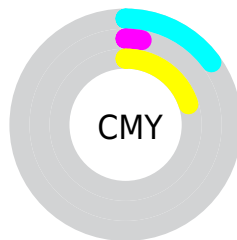
- Red (85%)
- Green (97%)
- Blue (80%)



- Red (80%)
- Yellow (97%)
- Blue (92%)



- Cyan (12%)
- Magenta (0%)
- Yellow (17%)
- Black (3%)




- Cyan (15%)
- Magenta (3%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8347, 0.3189, 0.3740 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 85.8347, 0.3189, 0.3740 by changing the saturation by 10% instead.


 85.8347, 0.3189,
0.3740

 85.8347, 0.3189,
0.3740


514.3860, 0.3164,
0.3532

 64.5313, 0.3194,
0.3787


141.5388, 0.3181,
0.3668

 47.0811, 0.3199,
0.3846


176.7083, 0.3178,
0.3640

 33.0998, 0.3206,
0.3919


217.2686, 0.3175,
0.3616

 22.2029, 0.3213,
0.4015

263.6041, 0.3172,
0.3595

 14.0061, 0.3220,
0.4145

316.0992, 0.3170,
0.3576

 8.1249, 0.3227,
0.4331

375.1382, 0.3168,

 4.1750, 0.3227,

0.3560

0.4617

441.1057, 0.3166,
0.3545

■ 1.7719, 0.3261,
0.5202

■ 0.4696, 0.0675,
0.9325

■ 85.8347, 0.3189,
0.3740

■ 85.8347, 0.3189,
0.3740

■ 82.2389, 0.3222,
0.4039

■ 89.8977, 0.3153,
0.3466

■ 79.0821, 0.3249,
0.4358

■ 94.4329, 0.3116,
0.3219

■ 76.3501, 0.3267,
0.4685

■ 95.0085, 0.3131,
0.3214

■ 74.0233, 0.3273,
0.5007

■ 72.0806, 0.3265,
0.5303

■ 70.4989, 0.3241,
0.5555

■ 69.2516, 0.3202,
0.5744

■ 68.3075, 0.3152,
0.5864

■ 68.0722, 0.3138,
0.5891

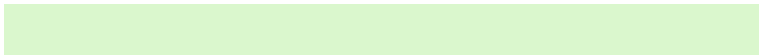
Harmonies

Analogous

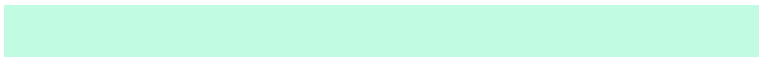
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8347, 0.3449, 0.3772



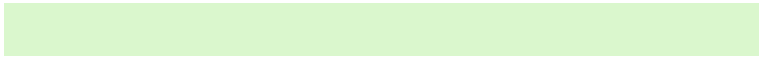
85.8347, 0.3189, 0.3740



85.8347, 0.2920, 0.3569

Triad

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



85.8347, 0.3189, 0.3740



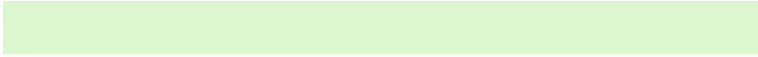
85.8347, 0.2646, 0.2898



85.8347, 0.3556, 0.3242

Complementary

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



85.8347, 0.3189, 0.3740



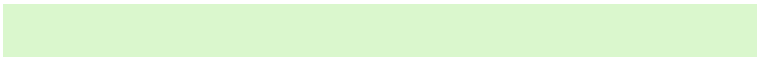
67.8925, 0.3053, 0.2856

Split Complementary

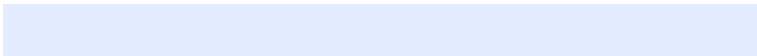
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8347, 0.3325, 0.3032



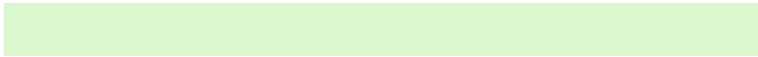
85.8347, 0.3189, 0.3740



85.8347, 0.2801, 0.2836

Square

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



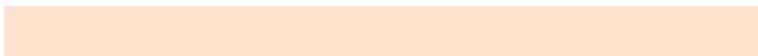
85.8347, 0.3189, 0.3740



85.8347, 0.2615, 0.3070



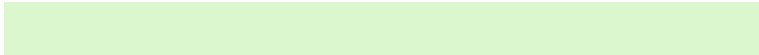
85.8347, 0.3046, 0.2886



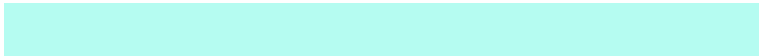
85.8347, 0.3668, 0.3472

Rectangle

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



85.8347, 0.3189, 0.3740



85.8347, 0.2771, 0.3405



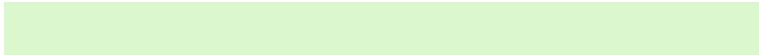
85.8347, 0.3046, 0.2886



85.8347, 0.3489, 0.3168

Sweetspot

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



85.8384, 0.3189, 0.3740



97.5716, 0.3146, 0.3414



82.8685, 0.3405, 0.3584



20.8135, 0.3148, 0.3432



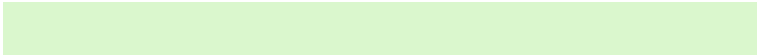
0.0000, 0.0000, 0.0000



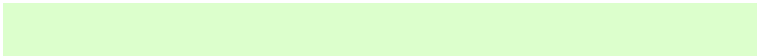
21.4041, 0.3127, 0.3290

Same Dimension

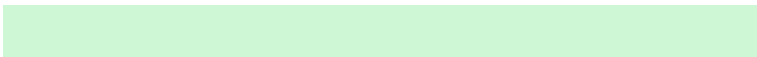
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8384, 0.3189, 0.3740



91.0528, 0.3199, 0.3828



84.3008, 0.3061, 0.3664



18.7198, 0.3162, 0.3531



36.0629, 0.3148, 0.5882



3.2215, 0.3241, 0.5809

Inverse Universe

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



67.8925, 0.3053, 0.2856



68.8039, 0.3037, 0.2774



69.7002, 0.3201, 0.2942



16.4970, 0.3088, 0.3053



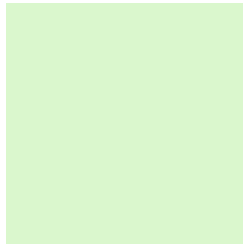
8.1986, 0.2442, 0.1119



0.7746, 0.2540, 0.1173

Previews

White Background



This preview shows how the Yxy color 85.8347, 0.3189, 0.3740 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 85.8347, 0.3189, 0.3740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

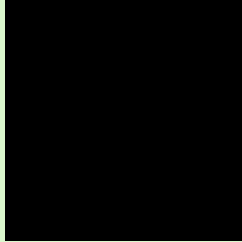
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

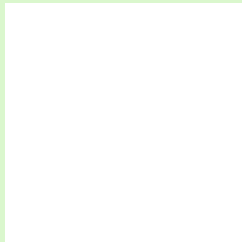
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8347, 0.3189, 0.3740

Background



This preview shows how black text looks on a background with the Yxy color 85.8347, 0.3189, 0.3740.

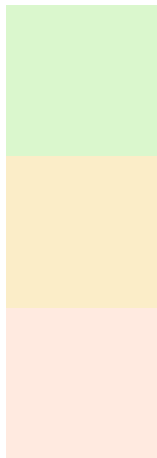


This preview shows how white text looks on a background with the Yxy color 85.8347, 0.3189, 0.3740.

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

85.8347, 0.3189, 0.3740

Protanopia

85.2477, 0.3461, 0.3665

Deuteranopia

85.4875, 0.3335, 0.3390



Tritanopia

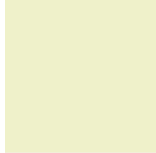
85.6110, 0.2968, 0.3128

Trichromacy



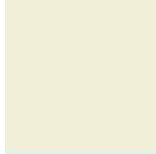
Original Color

85.8347, 0.3189, 0.3740



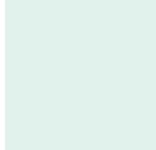
Protanomaly

85.5256, 0.3357, 0.3694



Deuteranomaly

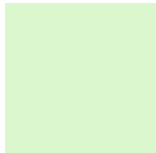
85.6200, 0.3285, 0.3515



Tritanomaly

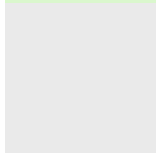
85.6262, 0.3047, 0.3342

Monochromacy



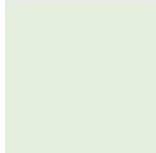
Original Color

85.8347, 0.3189, 0.3740



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

83.5547, 0.3152, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8347, 0.3189, 0.3740 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(218, 247, 205)` looks like.

```
.text, #text, p{  
    color:rgb(218, 247, 205)  
}
```

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(218, 247, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 247, 205) }
```

Border

The CSS property to change the border of an element to Yxy 85.8347, 0.3189, 0.3740 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(218, 247, 205) }
```

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

```
.border{ border-color:rgb(218, 247, 205) }
```

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

Here you see how a box with a 4 pixel rgb(218, 247, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 247, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 247, 205);  
box-shadow:4px 4px 4px 4px rgb(218, 247,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8347, 0.3189, 0.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 247, 205) }
```

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

```
.background{ background-color: rgb(218,  
247, 205) }
```

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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