

Converting Colors

$Y_{xy}(103.5375, 0.3129, 0.4387)$

Have a look what the booklet for
Yxy(103.5375, 0.3129, 0.4387)
contains.

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Color

Yxy(85.5935, 0.3146, 0.4150)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | <code>BDFFB3</code> |
| RGB | 189, 255, 179 |
| RGB Percent | 74%, 100%, 70% |
| CMY | 0.2588, 0.0000, 0.2979 |
| CMYK | 0.26, 0.00, 0.30, 0.00 |
| HSL | 112°, 100%, 85% |
| HSV | 112°, 30%, 100% |
| XYZ | 64.8861, 85.5935, 55.7698 |
| YIQ | 226.6020, -14.9400, -37.6280 |

Conversions

Conversions Part 2

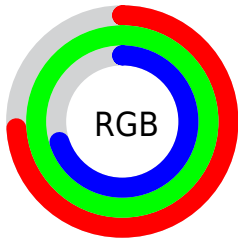
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 179, 255, 245 |
| Decimal | 12451763 |
| CIELab | 94.14, -34.48, 29.87 |
| CIELCh | 94, 45.617, 139.091 |
| Yxy | 85.5935, 0.3146, 0.4150 |
| Android (android.graphics.Color) | 4290641843 (0xFFBDFFB3) |
| YUV | 226.6020, -23.4678, -32.9770 |
| Hunter-Lab | 92.5168, -36.7144, 29.0212 |

Details

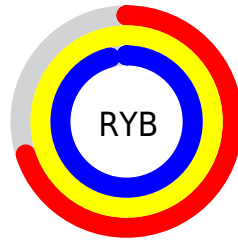
The Yxy color **85.5935, 0.3146, 0.4150** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **58.8966, 0.3085, 0.2528**, and the grayscale version is **76.6964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1110, 0.3187, 0.3486**, and **46.9629, 0.3135, 0.4357** is the 20% darker color. If you saturate the color by 10%, you get **82.0364, 0.3145, 0.4491**, and if you desaturate by 10%, it is **89.7778, 0.3142, 0.3831**.

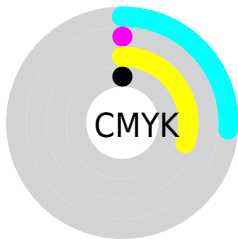
Distribution



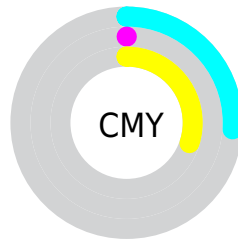
- Red (74%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (96%)



- Cyan (26%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5935, 0.3146, 0.4150 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 85.5935, 0.3146, 0.4150 by changing the saturation by 10% instead.


 85.5935, 0.3146,
0.4150

 85.5935, 0.3146,
0.4150


513.5899, 0.3149,
0.3744

 64.3319, 0.3142,
0.4244


 141.2021, 0.3149,
0.4008

 46.9195, 0.3136,
0.4361


176.3179, 0.3150,
0.3953

 32.9720, 0.3126,
0.4509


216.8205, 0.3150,
0.3906

 22.1050, 0.3109,
0.4704

263.0943, 0.3150,
0.3865

 13.9341, 0.3078,
0.4970

315.5238, 0.3150,
0.3829

 8.0748, 0.3019,
0.5349

374.4933, 0.3150,


 4.1429, 0.2894,


0.3798


0.5931


440.3872, 0.3149,
0.3769

 1.7538, 0.2692,
0.7308


 0.4581, 0.0000,
1.0000


 85.5935, 0.3146,
0.4150

 85.5935, 0.3146,
0.4150

 82.0364, 0.3145,
0.4491


 89.7778, 0.3142,
0.3831

 79.0710, 0.3139,
0.4841

 94.6120, 0.3136,
0.3542

 76.6665, 0.3127,
0.5179

100.0000, 0.3127,
0.3290

 74.7871, 0.3108,
0.5482

■ 73.3927, 0.3083,
0.5725

■ 72.4373, 0.3055,
0.5889

■ 71.8597, 0.3029,
0.5976

■ 71.8505, 0.3028,
0.5977

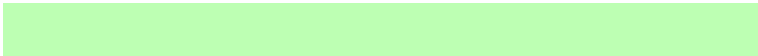
Harmonies

Analogous

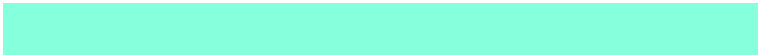
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5935, 0.3649, 0.4226



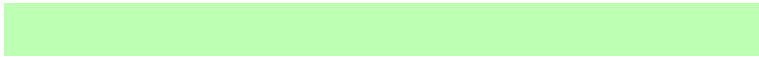
85.5935, 0.3146, 0.4150



85.5935, 0.2661, 0.3769

Triad

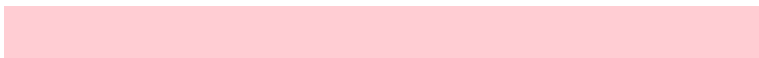
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5935, 0.3146, 0.4150



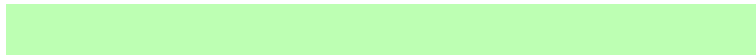
85.5935, 0.2275, 0.2528



85.5935, 0.3998, 0.3241

Complementary

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



85.5935, 0.3146, 0.4150



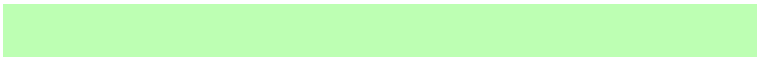
58.8966, 0.3085, 0.2528

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.



85.5935, 0.3569, 0.2865



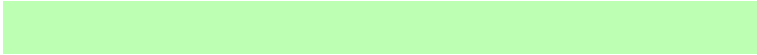
85.5935, 0.3146, 0.4150



85.5935, 0.2572, 0.2466

Square

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



85.5935, 0.3146, 0.4150



85.5935, 0.2186, 0.2795



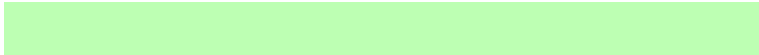
85.5935, 0.3038, 0.2590



85.5935, 0.4168, 0.3652

Rectangle

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



85.5935, 0.3146, 0.4150



85.5935, 0.2412, 0.3422



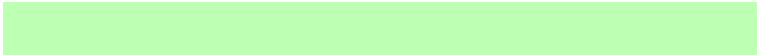
85.5935, 0.3038, 0.2590



85.5935, 0.3878, 0.3108

Sweetspot

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



85.5953, 0.3146, 0.4150



95.0213, 0.3135, 0.3521



89.7439, 0.3606, 0.3946



20.1774, 0.3136, 0.3560



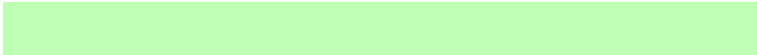
0.0000, 0.0000, 0.0000



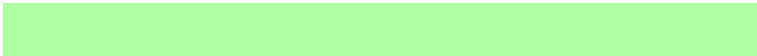
21.4041, 0.3127, 0.3290

Same Dimension

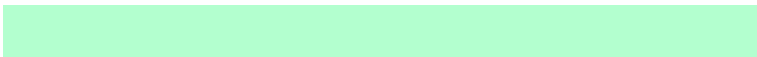
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5953, 0.3146, 0.4150



83.3129, 0.3146, 0.4360



85.6084, 0.2939, 0.3835



20.2823, 0.3135, 0.3534



37.5784, 0.3034, 0.5973



3.6926, 0.3089, 0.5929

Inverse Universe

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



58.8966, 0.3085, 0.2528



52.5337, 0.3071, 0.2368



59.0711, 0.3381, 0.2803



18.1725, 0.3117, 0.3054



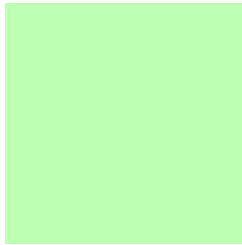
11.8984, 0.2879, 0.1360



1.1906, 0.2919, 0.1382

Previews

White Background



This preview shows how the Yxy color 85.5935, 0.3146, 0.4150 looks on a white background.

Color Contrast Check

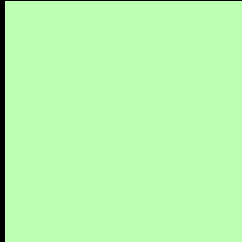
Large Text (above 18pt) WCAG AA × Fail

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 85.5935, 0.3146, 0.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

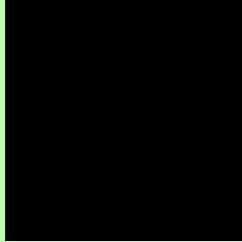
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

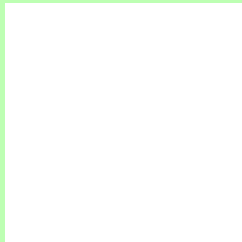
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5935, 0.3146, 0.4150

Background



This preview shows how black text looks on a background with the Yxy color 85.5935, 0.3146, 0.4150.

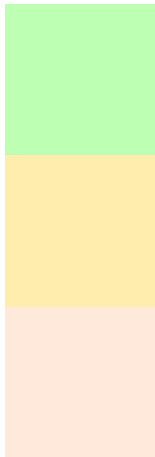


This preview shows how white text looks on a background with the Yxy color 85.5935, 0.3146, 0.4150.

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

85.5935, 0.3146, 0.4150

Protanopia

84.8455, 0.3666, 0.3934

Deuteranopia

84.5998, 0.3377, 0.3440



Tritanopia

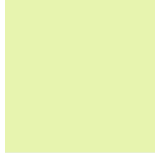
85.3232, 0.2889, 0.3155

Trichromacy



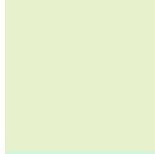
Original Color

85.5935, 0.3146, 0.4150



Protanomaly

84.7854, 0.3463, 0.4020



Deuteranomaly

84.2592, 0.3289, 0.3680



Tritanomaly

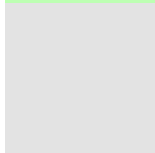
85.1894, 0.2986, 0.3505

Monochromacy



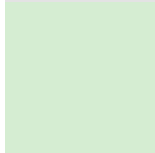
Original Color

85.5935, 0.3146, 0.4150



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3677, 0.3133, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5935, 0.3146, 0.4150 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(189, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 179)  
}
```

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(189, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 85.5935, 0.3146, 0.4150 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(189, 255, 179) }
```

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

```
.border{ border-color:rgb(189, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5935, 0.3146, 0.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 179) }
```

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

```
.background{ background-color: rgb(189,  
255, 179) }
```

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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