

Converting Colors

$Yxy(85.7073, 0.2965, 0.3867)$

Have a look what the booklet for
Yxy(85.7073, 0.2965, 0.3867)
contains.

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Color

Yxy(85.7034, 0.2965, 0.3867)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFCC
RGB	181, 255, 204
RGB Percent	71%, 100%, 80%
CMY	0.2903, 0.0000, 0.2000
CMYK	0.29, 0.00, 0.20, 0.00
HSL	139°, 100%, 85%
HSV	139°, 29%, 100%
XYZ	65.7126, 85.7034, 70.2116
YIQ	227.0600, -27.7330, -31.5490

Conversions

Conversions Part 2

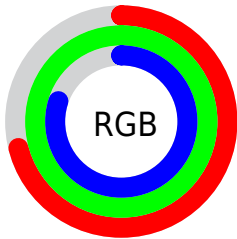
Format	Color
RYB	181, 237, 255
Decimal	11927500
CIELab	94.19, -32.82, 17.19
CIELCh	94, 37.045, 152.358
Yxy	85.7034, 0.2965, 0.3867
Android (android.graphics.Color)	4290117580 (0xFFB5FFCC)
YUV	227.0600, -11.3686, -40.3946
Hunter-Lab	92.5761, -35.3050, 19.8365

Details

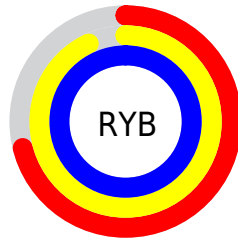
The Yxy color **85.7034, 0.2965, 0.3867** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.1249, 0.3340, 0.2776**, and the grayscale version is **76.9573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **47.0258, 0.2921, 0.4004** is the 20% darker color. If you saturate the color by 10%, you get **82.1005, 0.2916, 0.4108**, and if you desaturate by 10%, it is **89.9622, 0.3019, 0.3647**.

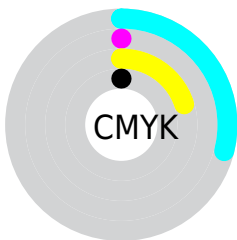
Distribution



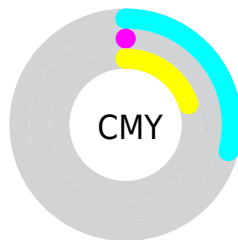
- Red (71%)
- Green (100%)
- Blue (80%)



- Red (71%)
- Yellow (93%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7034, 0.2965, 0.3867 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 85.7034, 0.2965, 0.3867 by changing the saturation by 10% instead.


 85.7034, 0.2965,
0.3867

 85.7034, 0.2965,
0.3867


513.9527, 0.3043,
0.3597

 64.4227, 0.2946,
0.3929


 141.3555, 0.2993,
0.3773

 46.9932, 0.2923,
0.4007


176.4958, 0.3003,
0.3736

 33.0302, 0.2893,
0.4105


217.0247, 0.3012,
0.3705

 22.1496, 0.2852,
0.4235

263.3266, 0.3020,
0.3678

 13.9669, 0.2796,
0.4413

315.7860, 0.3027,
0.3654

 8.0976, 0.2711,
0.4672


374.7872, 0.3033,


 4.1575, 0.2570,


0.3632


0.5079


440.7146, 0.3038,
0.3614


 1.7620, 0.2335,
0.5949

 0.4633, 0.0000,
1.0000


 85.7034, 0.2965,
0.3867

 85.7034, 0.2965,
0.3867

 82.1005, 0.2916,
0.4108

 89.9622, 0.3019,
0.3647

 79.1244, 0.2875,
0.4366

 94.9133, 0.3076,
0.3449

 76.7365, 0.2846,
0.4634

100.0000, 0.3127,
0.3290

 74.8957, 0.2832,
0.4901

■ 73.5552, 0.2834,
0.5158

■ 72.6601, 0.2853,
0.5389

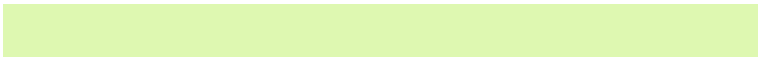
■ 72.1308, 0.2886,
0.5585

■ 72.0895, 0.2889,
0.5602

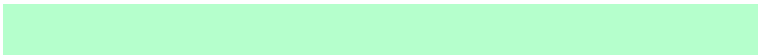
Harmonies

Analogous

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



85.7034, 0.3385, 0.4047



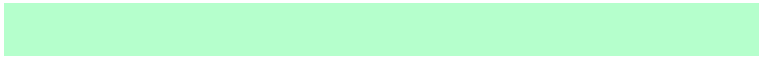
85.7034, 0.2965, 0.3867



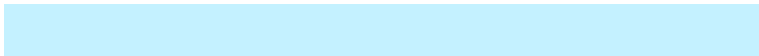
85.7034, 0.2605, 0.3496

Triad

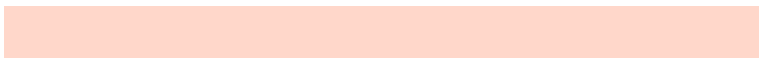
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7034, 0.2965, 0.3867



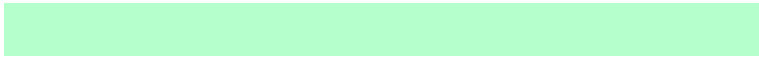
85.7034, 0.2514, 0.2620



85.7034, 0.3924, 0.3409

Complementary

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



85.7034, 0.2965, 0.3867



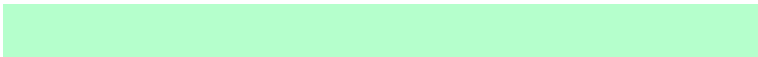
60.1249, 0.3340, 0.2776

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.



85.7034, 0.3659, 0.3074



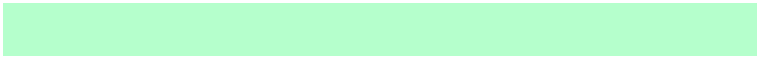
85.7034, 0.2965, 0.3867



85.7034, 0.2832, 0.2635

Square

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



85.7034, 0.2965, 0.3867



85.7034, 0.2359, 0.2772



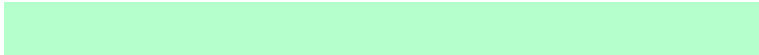
85.7034, 0.3250, 0.2799



85.7034, 0.3955, 0.3740

Rectangle

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



85.7034, 0.2965, 0.3867



85.7034, 0.2442, 0.3217



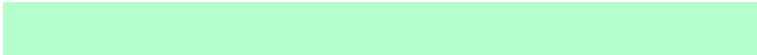
85.7034, 0.3250, 0.2799



85.7034, 0.3859, 0.3294

Sweetspot

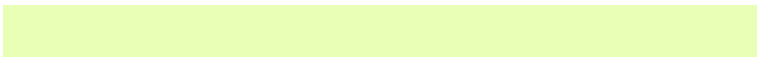
The Sweet Spot groups the original color and five complimentary colors.



85.7018, 0.2965, 0.3867



94.9274, 0.3076, 0.3449



92.1445, 0.3417, 0.4056



20.1547, 0.3067, 0.3476



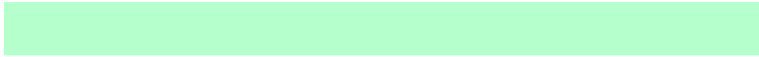
0.0000, 0.0000, 0.0000



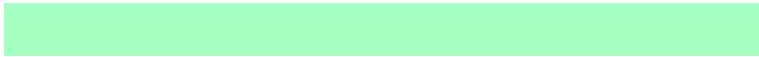
21.4041, 0.3127, 0.3290

Same Dimension

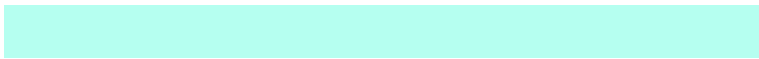
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7018, 0.2965, 0.3867



83.4734, 0.2935, 0.4009



87.6445, 0.2778, 0.3451



20.2613, 0.3073, 0.3458



37.6918, 0.2881, 0.5573



3.6886, 0.2819, 0.5349

Inverse Universe

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



60.1249, 0.3340, 0.2776



54.0005, 0.3396, 0.2668



58.2762, 0.3645, 0.3137



18.1985, 0.3186, 0.3128



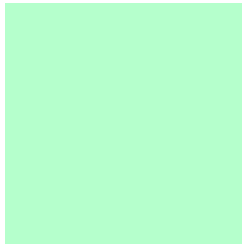
12.7678, 0.4191, 0.2082



1.2628, 0.4051, 0.2005

Previews

White Background



This preview shows how the Yxy color 85.7034, 0.2965, 0.3867 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 85.7034, 0.2965, 0.3867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

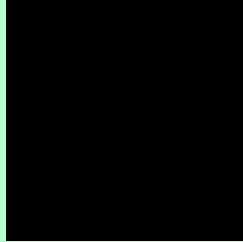
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.7034, 0.2965, 0.3867

Background



This preview shows how black text looks on a background with the Yxy color 85.7034, 0.2965, 0.3867.

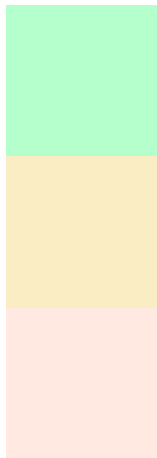


This preview shows how white text looks on a background with the Yxy color 85.7034, 0.2965, 0.3867.

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

85.7034, 0.2965, 0.3867

Protanopia

85.0177, 0.3493, 0.3716

Deuteranopia

84.9196, 0.3337, 0.3380



Tritanopia

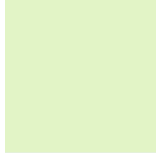
85.3182, 0.2866, 0.3165

Trichromacy



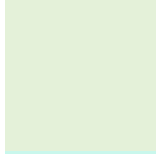
Original Color

85.7034, 0.2965, 0.3867



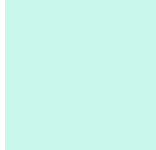
Protanomaly

84.9473, 0.3288, 0.3779



Deuteranomaly

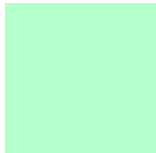
84.4143, 0.3188, 0.3542



Tritanomaly

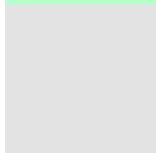
84.9952, 0.2906, 0.3408

Monochromacy



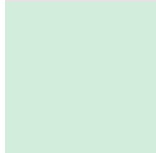
Original Color

85.7034, 0.2965, 0.3867



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3845, 0.3059, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7034, 0.2965, 0.3867 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(181, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 204)  
}
```

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(181, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 85.7034, 0.2965, 0.3867 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(181, 255, 204) }
```

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

```
.border{ border-color:rgb(181, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7034, 0.2965, 0.3867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 204) }
```

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

```
.background{ background-color: rgb(181,  
255, 204) }
```

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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