

Converting Colors

$Yxy(83.5673, 0.3045, 0.4038)$

Have a look what the booklet for
Yxy(83.5673, 0.3045, 0.4038)
contains.

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Color

Yxy(83.5847, 0.3045, 0.4038)

Conversions

Conversions Part 1

Format	Color
Hex	B4FDBC
RGB	180, 253, 188
RGB Percent	71%, 99%, 74%
CMY	0.2940, 0.0078, 0.2628
CMYK	0.29, 0.00, 0.26, 0.01
HSL	127°, 95%, 85%
HSV	127°, 29%, 99%
XYZ	63.0301, 83.5847, 60.3805
YIQ	223.7630, -22.6430, -35.6910

Conversions

Conversions Part 2

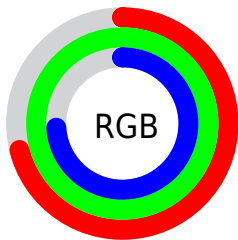
Format	Color
RYB	180, 246, 253
Decimal	11861436
CIELab	93.27, -34.97, 24.08
CIElCh	93, 42.460, 145.447
Yxy	83.5847, 0.3045, 0.4038
Android (android.graphics.Color)	4290051516 (0xFFB4FDBC)
YUV	223.7630, -17.6312, -38.3802
Hunter-Lab	91.4247, -36.9316, 24.8398

Details

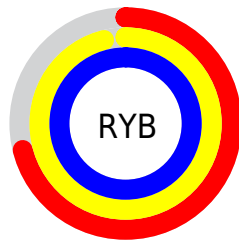
The Yxy color **83.5847, 0.3045, 0.4038** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.1363, 0.3221, 0.2642**, and the grayscale version is **74.5102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0562, 0.3079, 0.3399**, and **45.5611, 0.3018, 0.4230** is the 20% darker color. If you saturate the color by 10%, you get **79.9255, 0.3018, 0.4352**, and if you desaturate by 10%, it is **87.9570, 0.3074, 0.3750**.

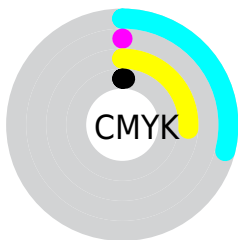
Distribution



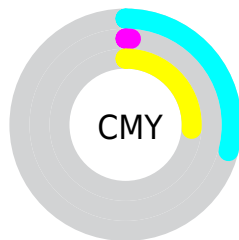
- Red (71%)
- Green (99%)
- Blue (74%)



- Red (71%)
- Yellow (96%)
- Blue (99%)



- Cyan (29%)
- Magenta (0%)
- Yellow (26%)
- Black (1%)




- Cyan (29%)
- Magenta (1%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5847, 0.3045, 0.4038 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 83.5847, 0.3045, 0.4038 by changing the saturation by 10% instead.

 83.5847, 0.3045,
0.4038

 83.5847, 0.3045,
0.4038


506.9331, 0.3091,
0.3684

 62.6726, 0.3033,
0.4121


 138.3941, 0.3062,
0.3914

 45.5764, 0.3016,
0.4224


173.0602, 0.3069,
0.3866

 31.9117, 0.2994,
0.4355

213.0797, 0.3074,
0.3825

 21.2941, 0.2962,
0.4529

258.8371, 0.3079,
0.3789

 13.3391, 0.2914,
0.4768

310.7168, 0.3082,
0.3758

 7.6625, 0.2834,
0.5116

369.1030, 0.3086,

 3.8797, 0.2688,

0.3730

0.5663

434.3804, 0.3088,
0.3706

■ 1.6065, 0.2525,
0.7475

■ 0.3620, 0.0000,
1.0000

■ 83.5847, 0.3045,
0.4038

■ 83.5847, 0.3045,
0.4038

■ 79.9255, 0.3018,
0.4352

■ 87.9570, 0.3074,
0.3750


■ 76.9317, 0.2994,
0.4682

■ 93.0663, 0.3103,
0.3492


■ 74.5661, 0.2975,
0.5012


■ 98.7299, 0.3128,
0.3271

■ 72.7836, 0.2964,
0.5323

 71.5332, 0.2962,
0.5591

 70.7547, 0.2969,
0.5796

 70.3636, 0.2982,
0.5927

 70.3317, 0.2983,
0.5938

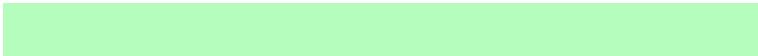
Harmonies

Analogous

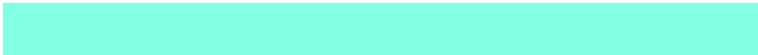
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5847, 0.3526, 0.4176



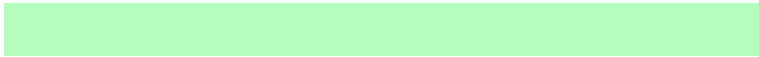
83.5847, 0.3045, 0.4038



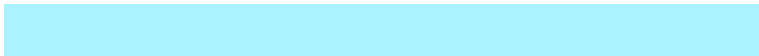
83.5847, 0.2608, 0.3639

Triad

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



83.5847, 0.3045, 0.4038



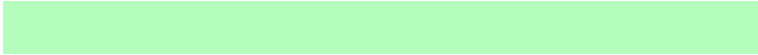
83.5847, 0.2367, 0.2544



83.5847, 0.4001, 0.3329

Complementary

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



83.5847, 0.3045, 0.4038



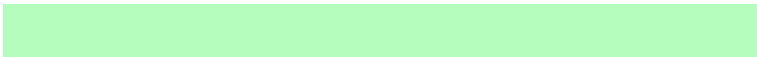
60.1363, 0.3221, 0.2642

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.



83.5847, 0.3642, 0.2960



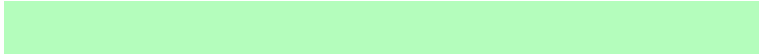
83.5847, 0.3045, 0.4038



83.5847, 0.2688, 0.2523

Square

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



83.5847, 0.3045, 0.4038



83.5847, 0.2239, 0.2757



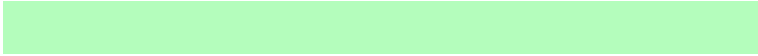
83.5847, 0.3150, 0.2674



83.5847, 0.4101, 0.3715

Rectangle

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



83.5847, 0.3045, 0.4038



83.5847, 0.2396, 0.3311



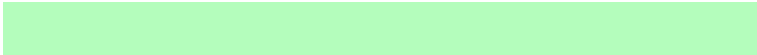
83.5847, 0.3150, 0.2674



83.5847, 0.3906, 0.3200

Sweetspot

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



83.5882, 0.3045, 0.4038



94.6564, 0.3102, 0.3496



93.0859, 0.3514, 0.4026



20.0884, 0.3098, 0.3532



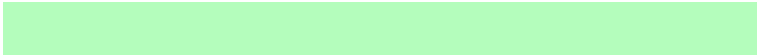
0.0000, 0.0000, 0.0000



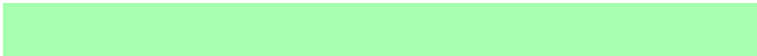
21.4041, 0.3127, 0.3290

Same Dimension

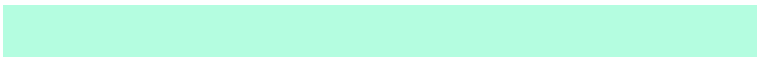
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5882, 0.3045, 0.4038



82.7138, 0.3028, 0.4229



85.3297, 0.2855, 0.3615



20.2003, 0.3101, 0.3508



37.4243, 0.2979, 0.5924



3.6539, 0.2940, 0.5783

Inverse Universe

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



60.1363, 0.3221, 0.2642



55.0511, 0.3245, 0.2504



58.1552, 0.3513, 0.2988



18.2643, 0.3155, 0.3081



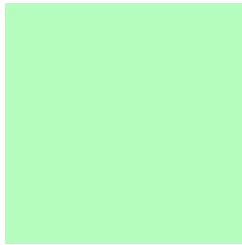
14.0267, 0.3505, 0.1704



1.3751, 0.3467, 0.1683

Previews

White Background



This preview shows how the Yxy color 83.5847, 0.3045, 0.4038 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 83.5847, 0.3045, 0.4038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

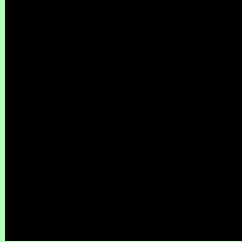
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5847, 0.3045, 0.4038

Background



This preview shows how black text looks on a background with the Yxy color 83.5847, 0.3045, 0.4038.

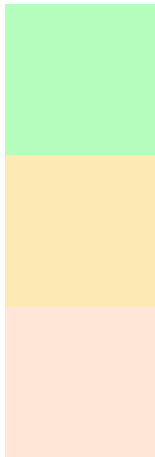


This preview shows how white text looks on a background with the Yxy color 83.5847, 0.3045, 0.4038.

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

83.5847, 0.3045, 0.4038

Protanopia

82.6095, 0.3606, 0.3852

Deuteranopia

82.7087, 0.3408, 0.3451



Tritanopia

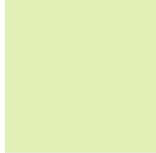
83.3960, 0.2835, 0.3143

Trichromacy



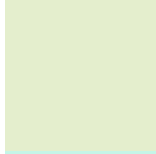
Original Color

83.5847, 0.3045, 0.4038



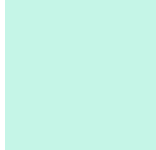
Protanomaly

82.2955, 0.3384, 0.3925



Deuteranomaly

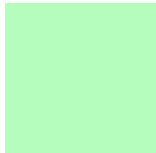
82.0508, 0.3265, 0.3641



Tritanomaly

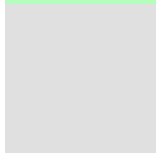
82.9447, 0.2909, 0.3442

Monochromacy



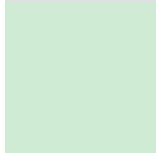
Original Color

83.5847, 0.3045, 0.4038



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.5297, 0.3095, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5847, 0.3045, 0.4038 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(180, 253, 188)` looks like.

```
.text, #text, p{  
    color:rgb(180, 253, 188)  
}
```

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(180, 253, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 253, 188) }
```

Border

The CSS property to change the border of an element to Yxy 83.5847, 0.3045, 0.4038 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(180, 253, 188) }
```

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

```
.border{ border-color:rgb(180, 253, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 253, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 253, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 253, 188);  
box-shadow:4px 4px 4px 4px rgb(180, 253,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5847, 0.3045, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 253, 188) }
```

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

```
.background{ background-color: rgb(180,  
253, 188) }
```

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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