

# Converting Colors

Yxy(83.4110, 0.2906, 0.3694)

Have a look what the booklet for  
Yxy(83.4110, 0.2906, 0.3694)  
contains.

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# Color

**Yxy(83.7244, 0.2906, 0.3696)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5FBD7
RGB	181, 251, 215
RGB Percent	71%, 98%, 84%
CMY	0.2899, 0.0157, 0.1569
CMYK	0.28, 0.00, 0.14, 0.02
HSL	149°, 90%, 85%
HSV	149°, 28%, 98%
XYZ	65.8288, 83.7244, 76.9739
YIQ	225.9660, -30.1640, -26.0360

# Conversions

## Conversions Part 2

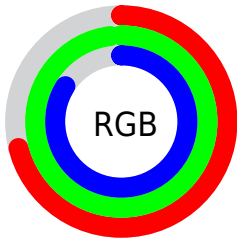
Format	Color
<b>RYB</b>	181, 228, 251
Decimal	11926487
CIELab	93.33, -28.87, 10.34
CIELCh	93, 30.667, 160.305
Yxy	83.7244, 0.2906, 0.3696
Android (android.graphics.Color)	4290116567 (0xFFB5FBD7)
YUV	225.9660, -5.4062, -39.4352
Hunter-Lab	91.5010, -31.7082, 14.1739

# Details

The Yxy color **83.7244, 0.2906, 0.3696** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.5953, 0.3429, 0.2918**, and the grayscale version is **76.0941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **45.5573, 0.2852, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **80.3225, 0.2837, 0.3871**, and if you desaturate by 10%, it is **87.7324, 0.2982, 0.3536**.

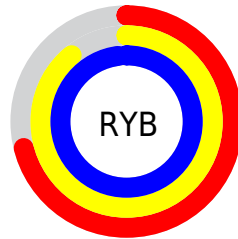
# Distribution



Red (71%)

Green (98%)

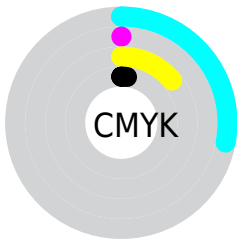
Blue (84%)



Red (71%)

Yellow (89%)

Blue (98%)

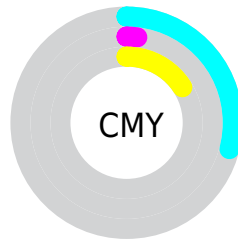


Cyan (28%)

Magenta (0%)

Yellow (14%)

Black (2%)



Cyan (29%)

Magenta (2%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7244, 0.2906, 0.3696 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 83.7244, 0.2906, 0.3696 by changing the saturation by 10% instead.




 83.7244, 0.2906,  
0.3696

 83.7244, 0.2906,  
0.3696

507.3976, 0.3009,  
0.3507

 62.7879, 0.2883,  
0.3739


 138.5896, 0.2942,  
0.3630

 45.6697, 0.2854,  
0.3793


173.2871, 0.2955,  
0.3605

 31.9852, 0.2817,  
0.3862


213.3404, 0.2967,  
0.3583

 21.3502, 0.2769,  
0.3951

259.1339, 0.2978,  
0.3564

 13.3802, 0.2703,  
0.4074

311.0519, 0.2987,  
0.3547

 7.6909, 0.2609,  
0.4252


369.4790, 0.2995,


 3.8978, 0.2461,

0.3532

434.7994, 0.3002,  
0.3519


0.4533


 1.6166, 0.2182,  
0.5054


 0.3687, 0.0000,  
1.0000


 83.7244, 0.2906,  
0.3696


 83.7244, 0.2906,  
0.3696


 80.3225, 0.2837,  
0.3871


 87.7324, 0.2982,  
0.3536


 77.4856, 0.2778,  
0.4059


 92.3643, 0.3063,  
0.3392


 75.1838, 0.2733,  
0.4257


 97.3907, 0.3136,  
0.3264

 73.3803, 0.2705,  
0.4461

 97.4705, 0.3129,  
0.3252

 72.0331, 0.2697,  
0.4665

 71.0929, 0.2709,  
0.4864

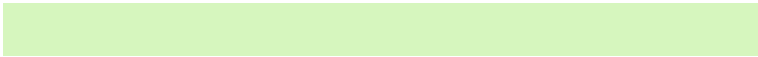
 70.4940, 0.2740,  
0.5051

 70.3900, 0.2747,  
0.5089

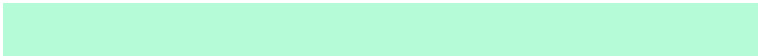
# Harmonies

## Analogous

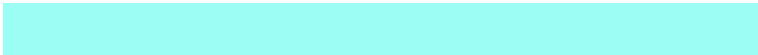
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7244, 0.3254, 0.3895



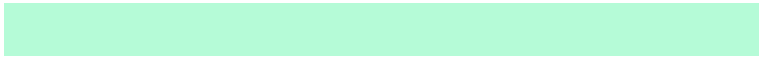
83.7244, 0.2906, 0.3696



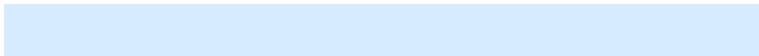
83.7244, 0.2628, 0.3372

# Triad

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



83.7244, 0.2906, 0.3696



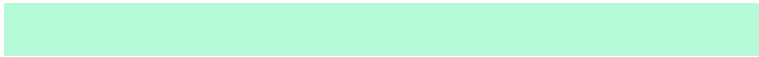
83.7244, 0.2671, 0.2715



83.7244, 0.3818, 0.3473

# Complementary

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



83.7244, 0.2906, 0.3696



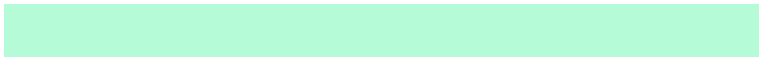
58.5953, 0.3429, 0.2918

# 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.



83.7244, 0.3645, 0.3183



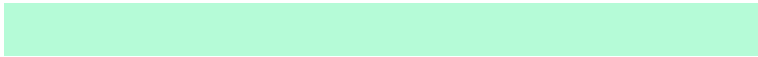
83.7244, 0.2906, 0.3696



83.7244, 0.2970, 0.2761

# Square

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



83.7244, 0.2906, 0.3696



83.7244, 0.2499, 0.2810



83.7244, 0.3328, 0.2929

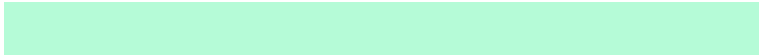


83.7244, 0.3791, 0.3737



# Rectangle

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



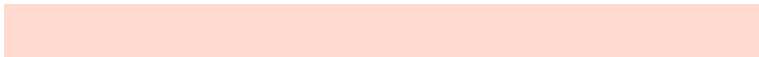
83.7244, 0.2906, 0.3696



83.7244, 0.2514, 0.3146



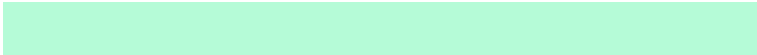
83.7244, 0.3328, 0.2929



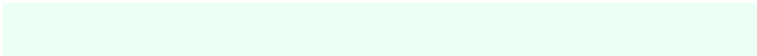
83.7244, 0.3781, 0.3376

# Sweetspot

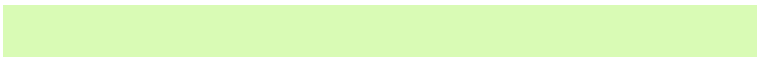
The Sweet Spot groups the original color and five complimentary colors.



83.7279, 0.2906, 0.3696



95.6761, 0.3061, 0.3394



87.1108, 0.3320, 0.4044



20.3150, 0.3049, 0.3415



0.0000, 0.0000, 0.0000

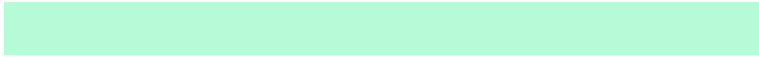


21.4041, 0.3127, 0.3290

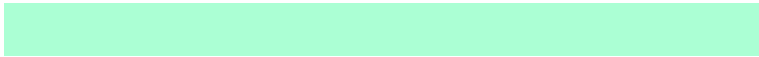


# Same Dimension

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



83.7279, 0.2906, 0.3696



84.8982, 0.2869, 0.3785



85.7134, 0.2727, 0.3301



19.4496, 0.3049, 0.3415



37.0311, 0.2739, 0.5060



3.4511, 0.2677, 0.4837



# Inverse Universe

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



58.5953, 0.3429, 0.2918



55.1931, 0.3503, 0.2846



56.9689, 0.3729, 0.3279



17.3744, 0.3213, 0.3169



11.6463, 0.4899, 0.2473

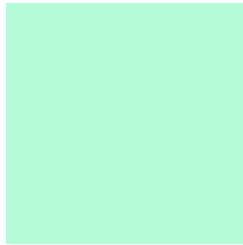


1.1001, 0.4642, 0.2331



# Previews

## White Background



This preview shows how the Yxy color 83.7244, 0.2906, 0.3696 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

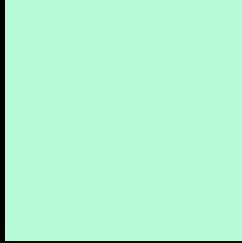
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.7244, 0.2906, 0.3696 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

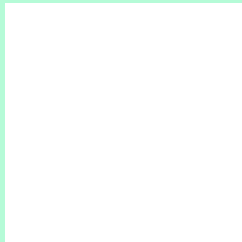
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.7244, 0.2906, 0.3696**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.7244, 0.2906, 0.3696.

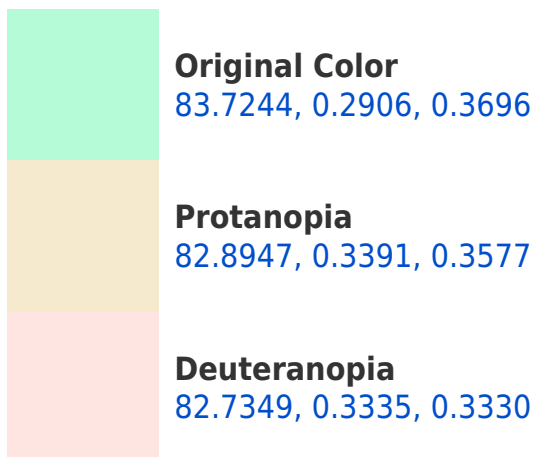


This preview shows how white text looks on a background with the Yxy color 83.7244, 0.2906, 0.3696.

# 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





## Tritanopia

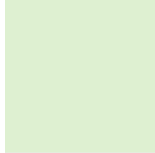
83.2524, 0.2829, 0.3142

# Trichromacy



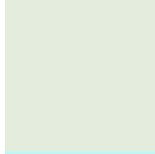
## Original Color

83.7244, 0.2906, 0.3696



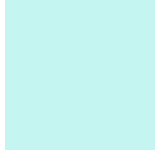
## Protanomaly

82.4532, 0.3198, 0.3622



## Deuteranomaly

82.2828, 0.3166, 0.3458



## Tritanomaly

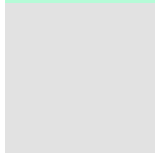
83.4664, 0.2860, 0.3343

# Monochromacy



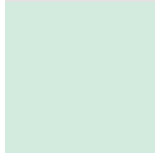
## Original Color

83.7244, 0.2906, 0.3696



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

78.3922, 0.3041, 0.3432

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.7244, 0.2906, 0.3696 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, 251, 215)` looks like.

```
.text, #text, p{  
    color:rgb(181, 251, 215)  
}
```

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, 251, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 251, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 83.7244, 0.2906, 0.3696 is called "border". The border property can be set on classes, ids or directly on the HTML element.

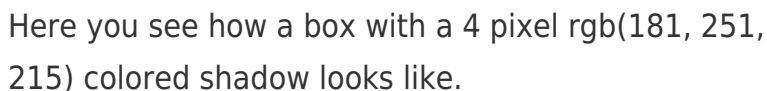
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 251, 215) }
```

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

```
.border{ border-color:rgb(181, 251, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 251, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 251, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 251, 215);  
box-shadow:4px 4px 4px 4px rgb(181, 251,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.7244, 0.2906, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 251, 215) }
```

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

```
.background{ background-color: rgb(181,  
251, 215) }
```

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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