

# Converting Colors

$Yxy(83.7533, 0.3061, 0.3924)$

Have a look what the booklet for  
Yxy(83.7533, 0.3061, 0.3924)  
contains.

<b>Yxy(83.7533, 0.3061, 0.3924)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(83.7533, 0.3061, 0.3924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDFBC3
RGB	189, 251, 195
RGB Percent	74%, 98%, 76%
CMY	0.2588, 0.0157, 0.2353
CMYK	0.25, 0.00, 0.22, 0.02
HSL	126°, 89%, 86%
HSV	126°, 25%, 98%
XYZ	65.3336, 83.7533, 64.3517
YIQ	226.0780, -18.9760, -30.5600

# Conversions

## Conversions Part 2

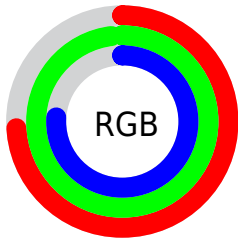
Format	Color
<a href="#">RYB</a>	<a href="#">189, 246, 251</a>
Decimal	<a href="#">12450755</a>
CIELab	<a href="#">93.34, -30.04, 20.68</a>
CIELCh	<a href="#">93, 36.470, 145.452</a>
Yxy	<a href="#">83.7533, 0.3061, 0.3924</a>
Android (android.graphics.Color)	<a href="#">4290640835 (0xFFBDFBC3)</a>
YUV	<a href="#">226.0780, -15.3215, -32.5174</a>
Hunter-Lab	<a href="#">91.5168, -32.7239, 22.3709</a>

# Details

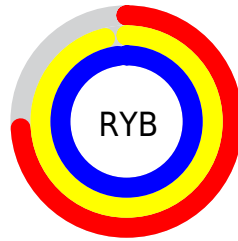
The Yxy color **83.7533, 0.3061, 0.3924** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.4986, 0.3200, 0.2729**, and the grayscale version is **76.2378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1411, 0.3089, 0.3319**, and **45.5750, 0.3037, 0.4080** is the 20% darker color. If you saturate the color by 10%, you get **79.8709, 0.3034, 0.4232**, and if you desaturate by 10%, it is **88.3540, 0.3088, 0.3644**.

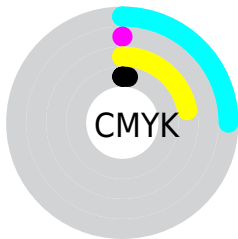
# Distribution



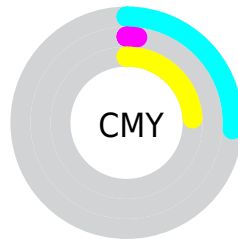
- Red (74%)
- Green (98%)
- Blue (76%)



- Red (74%)
- Yellow (96%)
- Blue (98%)



- Cyan (25%)
- Magenta (0%)
- Yellow (22%)
- Black (2%)




- Cyan (26%)
- Magenta (2%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7533, 0.3061, 0.3924 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 83.7533, 0.3061, 0.3924 by changing the saturation by 10% instead.





 83.7533, 0.3061,  
0.3924

 83.7533, 0.3061,  
0.3924

507.4937, 0.3097,  
0.3626

 62.8118, 0.3051,  
0.3993


 138.6300, 0.3075,  
0.3820

 45.6890, 0.3039,  
0.4079


173.3340, 0.3080,  
0.3779

 32.0004, 0.3022,  
0.4189


213.3943, 0.3084,  
0.3745

 21.3618, 0.2998,  
0.4333

259.1952, 0.3087,  
0.3715

 13.3887, 0.2961,  
0.4532

311.1213, 0.3090,  
0.3688

 7.6968, 0.2902,  
0.4821

369.5567, 0.3093,

 3.9015, 0.2794,

0.3665

0.5276

434.8861, 0.3095,  
0.3644

1.6186, 0.2736,  
0.6602

0.3701, 0.0000,  
1.0000

83.7533, 0.3061,  
0.3924

83.7533, 0.3061,  
0.3924

79.8709, 0.3034,  
0.4232

88.3540, 0.3088,  
0.3644


76.6605, 0.3010,  
0.4561


93.6954, 0.3115,  
0.3396


74.0870, 0.2989,  
0.4896


97.4777, 0.3129,  
0.3252

72.1077, 0.2975,  
0.5220

 70.6748, 0.2969,  
0.5508

 69.7329, 0.2971,  
0.5738

 69.2148, 0.2980,  
0.5895

 69.0649, 0.2986,  
0.5948

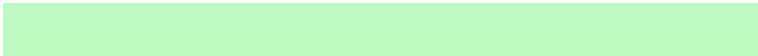
# Harmonies

## Analogous

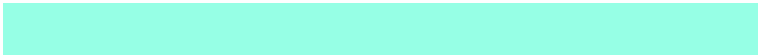
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7533, 0.3476, 0.4047



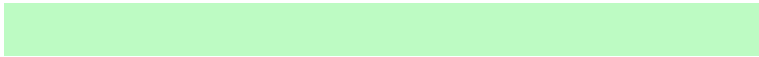
83.7533, 0.3061, 0.3924



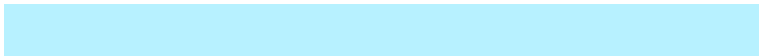
83.7533, 0.2681, 0.3589

# Triad

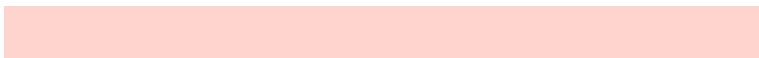
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7533, 0.3061, 0.3924



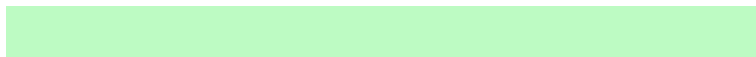
83.7533, 0.2468, 0.2645



83.7533, 0.3876, 0.3330

# Complementary

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



83.7533, 0.3061, 0.3924



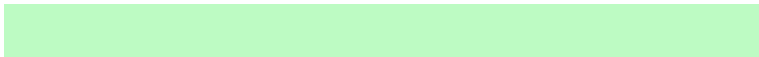
63.4986, 0.3200, 0.2729

# 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.



83.7533, 0.3570, 0.3005



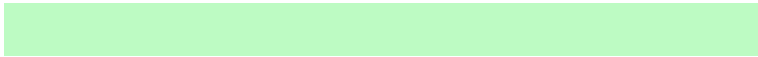
83.7533, 0.3061, 0.3924



83.7533, 0.2749, 0.2622

# Square

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



83.7533, 0.3061, 0.3924



83.7533, 0.2355, 0.2835



83.7533, 0.3150, 0.2753

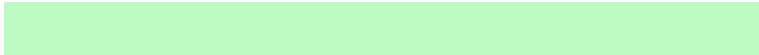


83.7533, 0.3963, 0.3666



# Rectangle

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



83.7533, 0.3061, 0.3924



83.7533, 0.2495, 0.3312



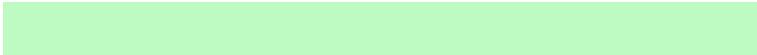
83.7533, 0.3150, 0.2753



83.7533, 0.3794, 0.3217

# Sweetspot

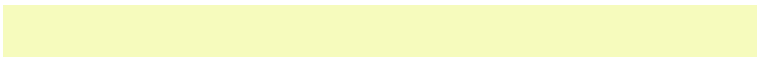
The Sweet Spot groups the original color and five complimentary colors.



83.7568, 0.3061, 0.3924



95.7751, 0.3109, 0.3450



92.2355, 0.3466, 0.3916



20.4258, 0.3107, 0.3465



0.0000, 0.0000, 0.0000

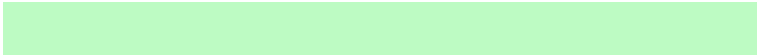


21.4041, 0.3127, 0.3290

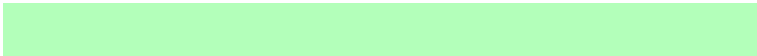


# Same Dimension

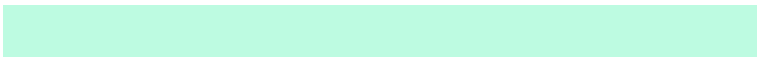
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7568, 0.3061, 0.3924



84.5853, 0.3047, 0.4085



85.2622, 0.2897, 0.3574



19.3365, 0.3102, 0.3511



36.3108, 0.2982, 0.5935



3.3719, 0.2944, 0.5799



# Inverse Universe

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



63.4986, 0.3200, 0.2729



60.0524, 0.3219, 0.2607



61.8036, 0.3435, 0.3023



17.4939, 0.3153, 0.3079



13.6994, 0.3469, 0.1685

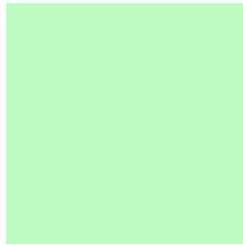


1.2770, 0.3434, 0.1666



# Previews

## White Background



This preview shows how the Yxy color 83.7533, 0.3061, 0.3924 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

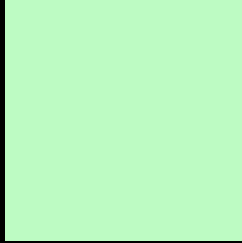
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.7533, 0.3061, 0.3924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

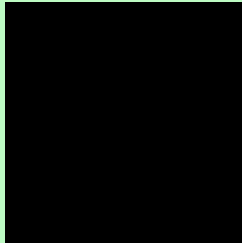
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.7533, 0.3061, 0.3924**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.7533, 0.3061, 0.3924.

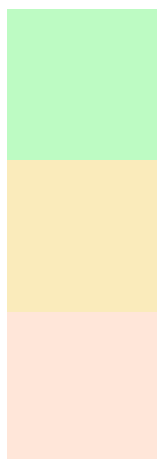


This preview shows how white text looks on a background with the Yxy color 83.7533, 0.3061, 0.3924.

# 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

83.7533, 0.3061, 0.3924

### Protanopia

83.3285, 0.3543, 0.3781

### Deuteranopia

82.8634, 0.3388, 0.3421



## Tritanopia

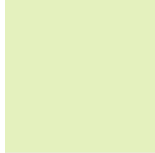
83.2418, 0.2852, 0.3133

# Trichromacy



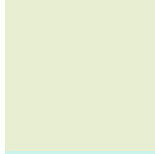
## Original Color

83.7533, 0.3061, 0.3924



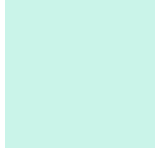
## Protanomaly

83.1223, 0.3355, 0.3834



## Deuteranomaly

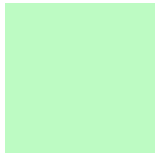
82.7414, 0.3261, 0.3596



## Tritanomaly

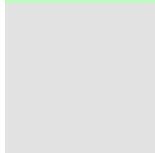
83.1411, 0.2928, 0.3408

# Monochromacy



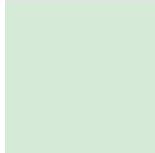
## Original Color

83.7533, 0.3061, 0.3924



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

78.4691, 0.3104, 0.3508

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.7533, 0.3061, 0.3924 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, 251, 195)` looks like.

```
.text, #text, p{  
    color:rgb(189, 251, 195)  
}
```

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, 251, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 251, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 83.7533, 0.3061, 0.3924 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, 251, 195) }
```

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

```
.border{ border-color:rgb(189, 251, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 251, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 251, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 251, 195);  
box-shadow:4px 4px 4px 4px rgb(189, 251,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.7533, 0.3061, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 251, 195) }
```

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

```
.background{ background-color: rgb(189,  
251, 195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor