

# Converting Colors

$Yxy(83.7809, 0.3052, 0.4166)$

Have a look what the booklet for  
Yxy(83.7809, 0.3052, 0.4166)  
contains.

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# Color

**Yxy(83.8140, 0.3052, 0.4162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEFFB4
RGB	174, 255, 180
RGB Percent	68%, 100%, 71%
CMY	0.3174, 0.0000, 0.2942
CMYK	0.32, 0.00, 0.29, 0.00
HSL	124°, 100%, 84%
HSV	124°, 32%, 100%
XYZ	61.4609, 83.8140, 56.1042
YIQ	222.2310, -24.2010, -40.4970

# Conversions

## Conversions Part 2

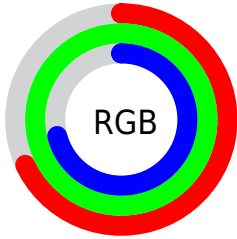
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 249, 255
Decimal	11468724
CIELab	93.37, -39.05, 28.23
CIELCh	93, 48.184, 144.137
Yxy	83.8140, 0.3052, 0.4162
Android (android.graphics.Color)	4289658804 (0xFFFAEFFB4)
YUV	222.2310, -20.8199, -42.2986
Hunter-Lab	91.5500, -40.3788, 27.7505

# Details

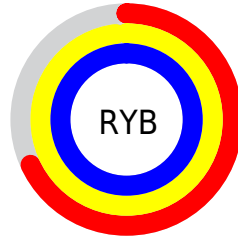
The Yxy color **83.8140, 0.3052, 0.4162** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.3981, 0.3210, 0.2550**, and the grayscale version is **73.3902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5651, 0.3087, 0.3482**, and **45.8424, 0.3020, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **80.2779, 0.3029, 0.4494**, and if you desaturate by 10%, it is **88.0774, 0.3076, 0.3853**.

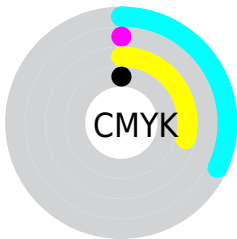
# Distribution



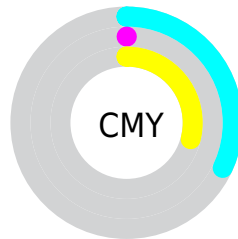
- Red (68%)
- Green (100%)
- Blue (71%)



- Red (68%)
- Yellow (98%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8140, 0.3052, 0.4162 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 83.8140, 0.3052, 0.4162 by changing the saturation by 10% instead.





 83.8140, 0.3052,  
0.4162

 83.8140, 0.3052,  
0.4162

507.6954, 0.3098,  
0.3747

 62.8619, 0.3039,  
0.4259

 138.7150, 0.3070,  
0.4016

 45.7295, 0.3021,  
0.4380

173.4326, 0.3076,  
0.3960

 32.0324, 0.2996,  
0.4535


213.5075, 0.3082,  
0.3912

 21.3863, 0.2960,  
0.4739

259.3241, 0.3086,  
0.3870

 13.4066, 0.2904,  
0.5020

311.2668, 0.3090,  
0.3834

 7.7091, 0.2808,  
0.5428


369.7200, 0.3093,


 3.9094, 0.2629,


0.3801


0.6063


435.0681, 0.3095,  
0.3773


 1.6230, 0.2184,  
0.7816


 0.3730, 0.0000,  
1.0000


 83.8140, 0.3052,  
0.4162


 83.8140, 0.3052,  
0.4162


 80.2779, 0.3029,  
0.4494

 88.0774, 0.3076,  
0.3853

 77.4185, 0.3008,  
0.4837

 93.0943, 0.3100,  
0.3575

 75.1958, 0.2992,  
0.5171

 98.9024, 0.3123,  
0.3330

 73.5608, 0.2983,  
0.5472

99.9980, 0.3127,  
0.3290

■ 72.4575, 0.2980,  
0.5716

■ 71.8190, 0.2985,  
0.5885

■ 71.5638, 0.2990,  
0.5966

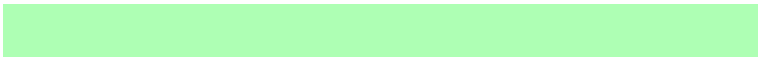
# Harmonies

## Analogous

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



83.8140, 0.3593, 0.4297



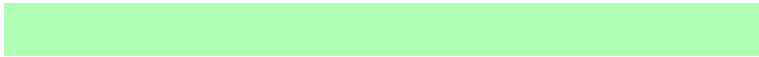
83.8140, 0.3052, 0.4162



83.8140, 0.2557, 0.3711

# Triad

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



83.8140, 0.3052, 0.4162



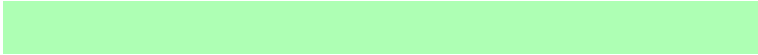
83.8140, 0.2263, 0.2458



83.8140, 0.4107, 0.3307

# Complementary

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



83.8140, 0.3052, 0.4162



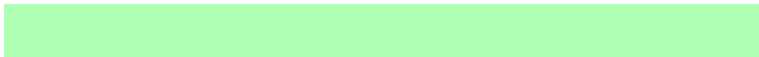
58.3981, 0.3210, 0.2550

# 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.



83.8140, 0.3687, 0.2901



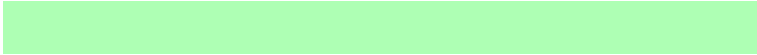
83.8140, 0.3052, 0.4162



83.8140, 0.2611, 0.2429

# Square

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



83.8140, 0.3052, 0.4162



83.8140, 0.2132, 0.2699



83.8140, 0.3125, 0.2590

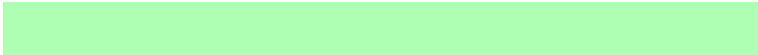


83.8140, 0.4231, 0.3739



# Rectangle

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



83.8140, 0.3052, 0.4162



83.8140, 0.2316, 0.3333



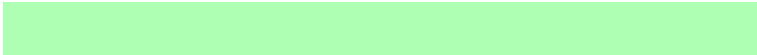
83.8140, 0.3125, 0.2590



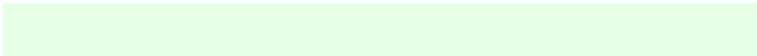
83.8140, 0.3994, 0.3165

# Sweetspot

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



83.8175, 0.3052, 0.4162



94.0505, 0.3104, 0.3530



94.8265, 0.3571, 0.4096



19.9655, 0.3101, 0.3566



0.0000, 0.0000, 0.0000

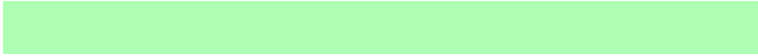


21.4041, 0.3127, 0.3290

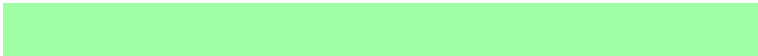


# Same Dimension

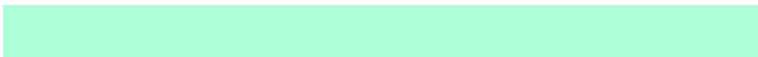
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8175, 0.3052, 0.4162



81.5226, 0.3037, 0.4368



85.6865, 0.2844, 0.3685



20.1897, 0.3106, 0.3517



37.4024, 0.2987, 0.5955



3.6489, 0.2959, 0.5853



# Inverse Universe

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



58.3981, 0.3210, 0.2550



52.5199, 0.3229, 0.2408



56.1636, 0.3542, 0.2929



18.2761, 0.3149, 0.3073



14.2937, 0.3402, 0.1648

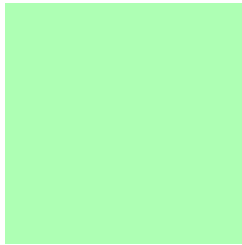


1.3983, 0.3378, 0.1634



# Previews

## White Background



This preview shows how the Yxy color 83.8140, 0.3052, 0.4162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

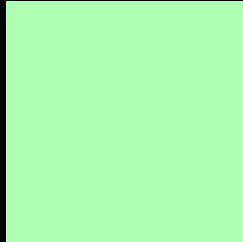
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.8140, 0.3052, 0.4162 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 83.8140, 0.3052, 0.4162**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.8140, 0.3052, 0.4162.

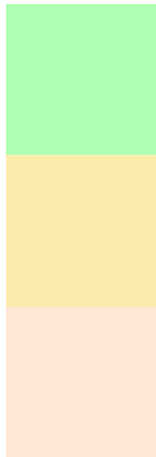


This preview shows how white text looks on a background with the Yxy color 83.8140, 0.3052, 0.4162.

# 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

83.8140, 0.3052, 0.4162

### Protanopia

83.2396, 0.3671, 0.3939

### Deuteranopia

82.6577, 0.3415, 0.3461



## Tritanopia

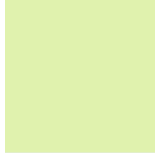
83.2524, 0.2829, 0.3142

# Trichromacy



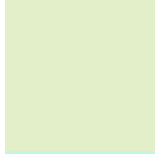
## Original Color

83.8140, 0.3052, 0.4162



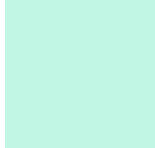
## Protanomaly

82.4075, 0.3425, 0.4024



## Deuteranomaly

82.1188, 0.3276, 0.3696



## Tritanomaly

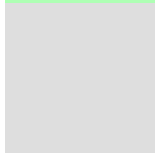
82.9823, 0.2908, 0.3487

# Monochromacy



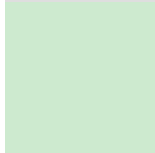
## Original Color

83.8140, 0.3052, 0.4162



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

76.3298, 0.3100, 0.3592

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.8140, 0.3052, 0.4162 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(174, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 180)  
}
```

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(174, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 83.8140, 0.3052, 0.4162 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(174, 255, 180) }
```

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

```
.border{ border-color:rgb(174, 255, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.8140, 0.3052, 0.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 180) }
```

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

```
.background{ background-color: rgb(174,  
255, 180) }
```

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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