

# Converting Colors

$Yxy(91.3118, 0.3035, 0.4247)$

Have a look what the booklet for  
Yxy(91.3118, 0.3035, 0.4247)  
contains.

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# Color

**Yxy(83.7816, 0.3035, 0.4139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADFFB6
RGB	173, 255, 182
RGB Percent	68%, 100%, 71%
CMY	0.3217, 0.0000, 0.2862
CMYK	0.32, 0.00, 0.29, 0.00
HSL	127°, 100%, 84%
HSV	127°, 32%, 100%
XYZ	61.4344, 83.7816, 57.2039
YIQ	222.1600, -25.4390, -40.0870

# Conversions

## Conversions Part 2

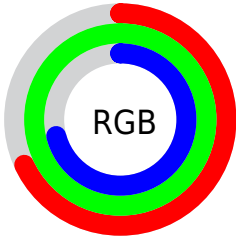
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 247, 255
Decimal	11403190
CIELab	93.36, -39.05, 27.16
CIELCh	93, 47.569, 145.178
Yxy	83.7816, 0.3035, 0.4139
Android (android.graphics.Color)	4289593270 (0xFFADFFB6)
YUV	222.1600, -19.7989, -43.1133
Hunter-Lab	91.5323, -40.3763, 27.0188

# Details

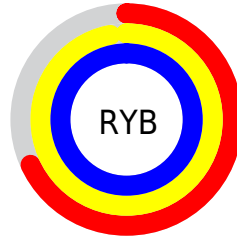
The Yxy color **83.7816, 0.3035, 0.4139** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.7868, 0.3235, 0.2568**, and the grayscale version is **73.3173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5160, 0.3070, 0.3461**, and **45.8247, 0.3001, 0.4348** is the 20% darker color. If you saturate the color by 10%, you get **80.2820, 0.3008, 0.4459**, and if you desaturate by 10%, it is **87.9840, 0.3064, 0.3842**.

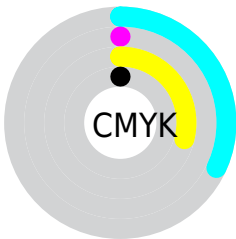
# Distribution



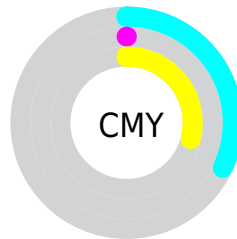
- Red (68%)
- Green (100%)
- Blue (71%)



- Red (68%)
- Yellow (97%)
- 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 83.7816, 0.3035, 0.4139 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 83.7816, 0.3035, 0.4139 by changing the saturation by 10% instead.




 83.7816, 0.3035,  
0.4139

 83.7816, 0.3035,  
0.4139


507.5877, 0.3088,  
0.3735

 62.8351, 0.3020,  
0.4234


 138.6696, 0.3055,  
0.3997

 45.7078, 0.3001,  
0.4351


173.3800, 0.3063,  
0.3942

 32.0153, 0.2974,  
0.4502


213.4471, 0.3069,  
0.3895

 21.3732, 0.2936,  
0.4701

259.2553, 0.3074,  
0.3855

 13.3971, 0.2877,  
0.4975

311.1891, 0.3078,  
0.3819

 7.7025, 0.2780,  
0.5374


369.6329, 0.3082,


 3.9052, 0.2599,


0.3788


0.5995


434.9709, 0.3085,  
0.3760


 1.6207, 0.2181,  
0.7819


 0.3715, 0.0000,  
1.0000


 83.7816, 0.3035,  
0.4139


 83.7816, 0.3035,  
0.4139


 80.2820, 0.3008,  
0.4459


 87.9840, 0.3064,  
0.3842

 77.4519, 0.2986,  
0.4791

 92.9309, 0.3093,  
0.3574

 75.2468, 0.2970,  
0.5117

 98.6539, 0.3121,  
0.3337

 73.6189, 0.2962,  
0.5416

100.0000, 0.3127,  
0.3290

■ 72.5135, 0.2963,  
0.5665

■ 71.8651, 0.2972,  
0.5846

■ 71.6046, 0.2982,  
0.5937

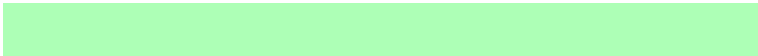
# Harmonies

## Analogous

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



83.7816, 0.3571, 0.4285



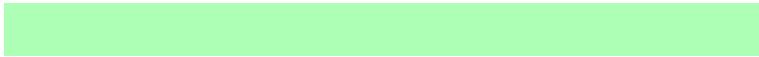
83.7816, 0.3035, 0.4139



83.7816, 0.2550, 0.3686

# Triad

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



83.7816, 0.3035, 0.4139



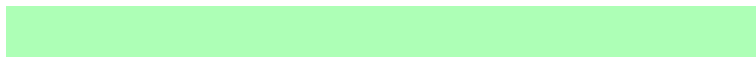
83.7816, 0.2282, 0.2463



83.7816, 0.4104, 0.3322

# Complementary

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



83.7816, 0.3035, 0.4139



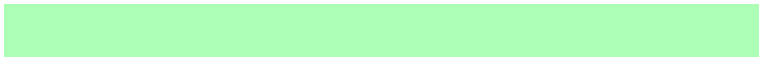
57.7868, 0.3235, 0.2568

# 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.



83.7816, 0.3698, 0.2918



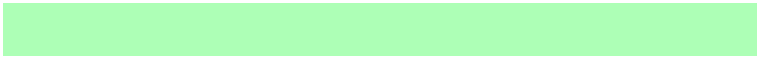
83.7816, 0.3035, 0.4139



83.7816, 0.2632, 0.2441

# Square

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



83.7816, 0.3035, 0.4139



83.7816, 0.2144, 0.2695



83.7816, 0.3145, 0.2606

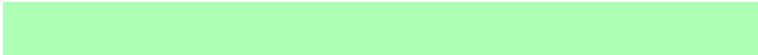


83.7816, 0.4216, 0.3749



# Rectangle

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



83.7816, 0.3035, 0.4139



83.7816, 0.2316, 0.3313



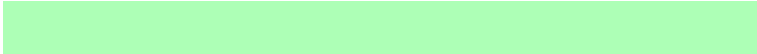
83.7816, 0.3145, 0.2606



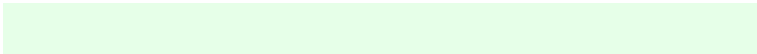
83.7816, 0.3996, 0.3182

# Sweetspot

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



83.7796, 0.3035, 0.4139



94.1045, 0.3099, 0.3520



94.2734, 0.3558, 0.4112



19.9785, 0.3095, 0.3555



0.0000, 0.0000, 0.0000

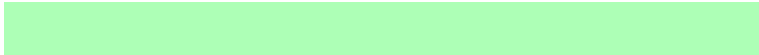


21.4041, 0.3127, 0.3290

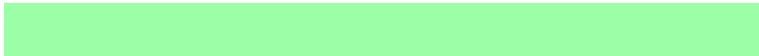


# Same Dimension

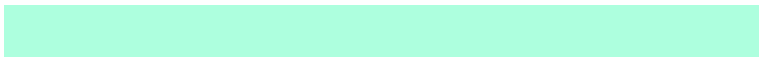
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7796, 0.3035, 0.4139



81.3158, 0.3016, 0.4356



85.6851, 0.2827, 0.3659



20.2008, 0.3100, 0.3508



37.4253, 0.2978, 0.5922



3.6541, 0.2939, 0.5780



# Inverse Universe

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



57.7868, 0.3235, 0.2568



51.4190, 0.3262, 0.2418



55.5821, 0.3573, 0.2952



18.2638, 0.3155, 0.3081



14.0162, 0.3509, 0.1707

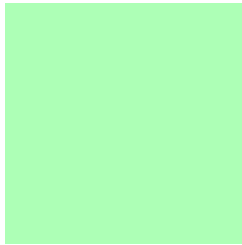


1.3742, 0.3470, 0.1685



# Previews

## White Background



This preview shows how the Yxy color 83.7816, 0.3035, 0.4139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

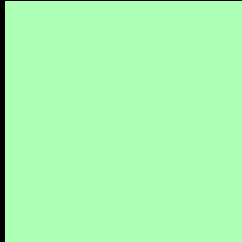
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.7816, 0.3035, 0.4139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

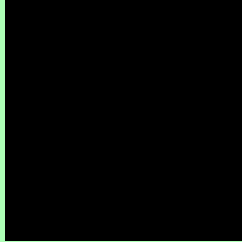
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

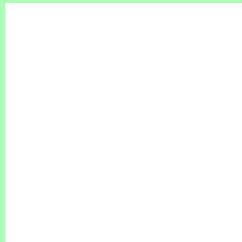
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.7816, 0.3035, 0.4139**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.7816, 0.3035, 0.4139.

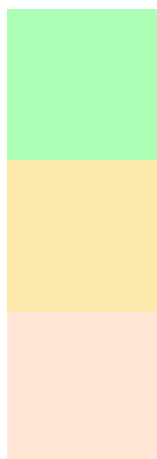


This preview shows how white text looks on a background with the Yxy color 83.7816, 0.3035, 0.4139.

# 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

83.7816, 0.3035, 0.4139

### Protanopia

83.1292, 0.3650, 0.3921

### Deuteranopia

82.6577, 0.3415, 0.3461



## Tritanopia

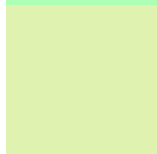
83.1097, 0.2823, 0.3142

# Trichromacy



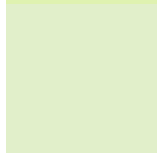
## Original Color

83.7816, 0.3035, 0.4139



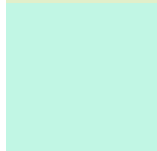
## Protanomaly

82.3268, 0.3405, 0.4004



## Deuteranomaly

82.0048, 0.3262, 0.3686



## Tritanomaly

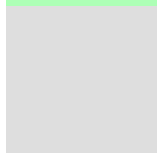
82.8504, 0.2903, 0.3488

# Monochromacy



## Original Color

83.7816, 0.3035, 0.4139



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

76.1880, 0.3093, 0.3593

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.7816, 0.3035, 0.4139 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(173, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 182)  
}
```

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(173, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 83.7816, 0.3035, 0.4139 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(173, 255, 182) }
```

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

```
.border{ border-color:rgb(173, 255, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.7816, 0.3035, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 182) }
```

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

```
.background{ background-color: rgb(173,  
255, 182) }
```

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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