

# Converting Colors

Yxy(83.1142, 0.3040, 0.4210)

Have a look what the booklet for  
Yxy(83.1142, 0.3040, 0.4210)  
contains.

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# Color

**Yxy(83.1293, 0.3038, 0.4206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9FFB1
RGB	169, 255, 177
RGB Percent	66%, 100%, 69%
CMY	0.3376, 0.0000, 0.3059
CMYK	0.34, 0.00, 0.31, 0.00
HSL	126°, 100%, 83%
HSV	126°, 34%, 100%
XYZ	60.0444, 83.1293, 54.4708
YIQ	220.3940, -26.2180, -42.4900

# Conversions

## Conversions Part 2

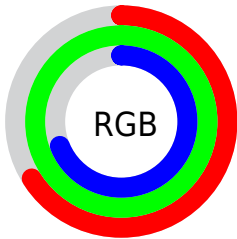
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 248, 255
Decimal	11141041
CIELab	93.07, -41.11, 29.28
CIELCh	93, 50.474, 144.536
Yxy	83.1293, 0.3038, 0.4206
Android (android.graphics.Color)	4289331121 (0xFFA9FFB1)
YUV	220.3940, -21.3932, -45.0725
Hunter-Lab	91.1753, -42.0037, 28.4011

# Details

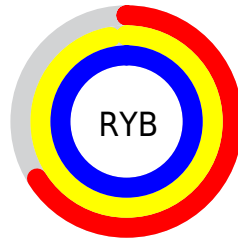
The Yxy color **83.1293, 0.3038, 0.4206** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.3175, 0.3230, 0.2520**, and the grayscale version is **72.0072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5719, 0.3074, 0.3515**, and **45.4208, 0.3005, 0.4435** is the 20% darker color. If you saturate the color by 10%, you get **79.7265, 0.3013, 0.4534**, and if you desaturate by 10%, it is **87.2200, 0.3065, 0.3899**.

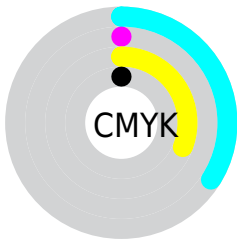
# Distribution



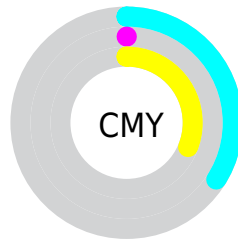
- Red (66%)
- Green (100%)
- Blue (69%)



- Red (66%)
- Yellow (97%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1293, 0.3038, 0.4206 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 83.1293, 0.3038, 0.4206 by changing the saturation by 10% instead.




 83.1293, 0.3038,  
0.4206

 83.1293, 0.3038,  
0.4206

505.4173, 0.3091,  
0.3769

 62.2968, 0.3023,  
0.4309


 137.7565, 0.3059,  
0.4052

 45.2726, 0.3002,  
0.4437


172.3201, 0.3066,  
0.3993

 31.6722, 0.2974,  
0.4601


212.2295, 0.3072,  
0.3942

 21.1112, 0.2932,  
0.4818

257.8690, 0.3078,  
0.3898

 13.2053, 0.2868,  
0.5117

309.6232, 0.3082,  
0.3859

 7.5701, 0.2759,  
0.5551


367.8764, 0.3085,


 3.8211, 0.2562,

0.3826

0.6240

433.0130, 0.3089,  
0.3795


 1.5740, 0.1911,  
0.8089


 0.3400, 0.0000,  
1.0000

 83.1293, 0.3038,  
0.4206

 83.1293, 0.3038,  
0.4206


 79.7265, 0.3013,  
0.4534

 87.2200, 0.3065,  
0.3899

 76.9986, 0.2993,  
0.4871

 92.0624, 0.3091,  
0.3621

 74.8927, 0.2978,  
0.5198

 97.6817, 0.3118,  
0.3374

 73.3594, 0.2970,  
0.5490

100.0000, 0.3127,  
0.3290

■ 72.3419, 0.2972,  
0.5725

■ 71.7716, 0.2980,  
0.5888

■ 71.5856, 0.2986,  
0.5951

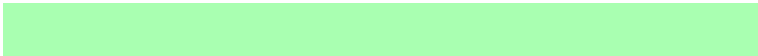
# Harmonies

## Analogous

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



83.1293, 0.3605, 0.4350



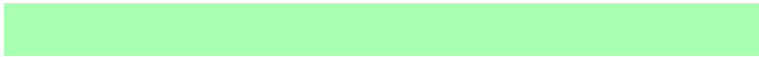
83.1293, 0.3038, 0.4206



83.1293, 0.2522, 0.3725

# Triad

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



83.1293, 0.3038, 0.4206



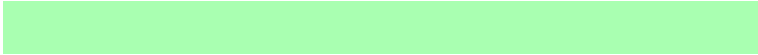
83.1293, 0.2228, 0.2417



83.1293, 0.4161, 0.3310

# Complementary

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



83.1293, 0.3038, 0.4206



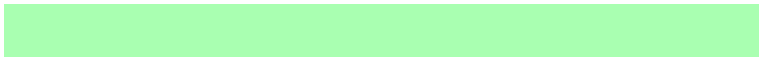
56.3175, 0.3230, 0.2520

# 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.



83.1293, 0.3722, 0.2887



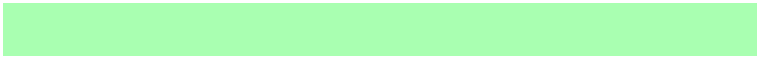
83.1293, 0.3038, 0.4206



83.1293, 0.2592, 0.2392

# Square

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



83.1293, 0.3038, 0.4206



83.1293, 0.2088, 0.2664



83.1293, 0.3131, 0.2562

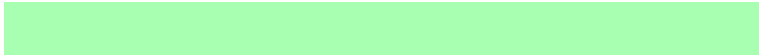


83.1293, 0.4285, 0.3761



# Rectangle

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



83.1293, 0.3038, 0.4206



83.1293, 0.2274, 0.3325



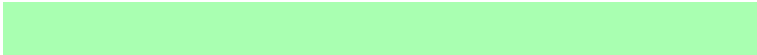
83.1293, 0.3131, 0.2562



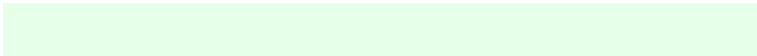
83.1293, 0.4044, 0.3163

# Sweetspot

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



83.1203, 0.3038, 0.4206



94.0804, 0.3101, 0.3525



94.3064, 0.3589, 0.4150



19.9727, 0.3098, 0.3560



0.0000, 0.0000, 0.0000

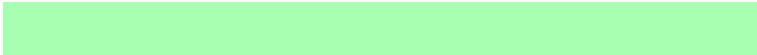


21.4041, 0.3127, 0.3290

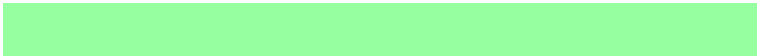


# Same Dimension

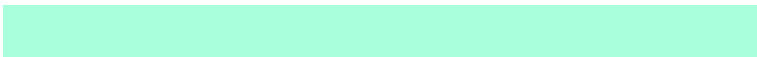
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1203, 0.3038, 0.4206



80.5938, 0.3020, 0.4442



85.0678, 0.2821, 0.3697



20.1958, 0.3103, 0.3512



37.4142, 0.2983, 0.5938



3.6518, 0.2948, 0.5812



# Inverse Universe

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



56.3175, 0.3230, 0.2520



49.8211, 0.3256, 0.2360



54.0040, 0.3590, 0.2920



18.2693, 0.3152, 0.3077



14.1382, 0.3461, 0.1680

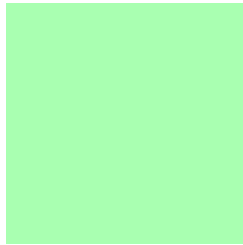


1.3848, 0.3429, 0.1662



# Previews

## White Background



This preview shows how the Yxy color 83.1293, 0.3038, 0.4206 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

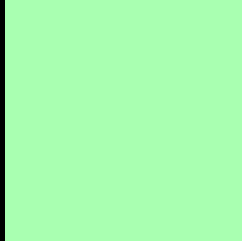
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.1293, 0.3038, 0.4206 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

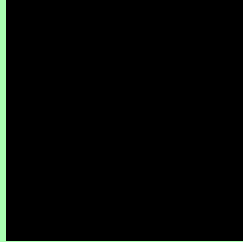
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.1293, 0.3038, 0.4206**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1293, 0.3038, 0.4206.

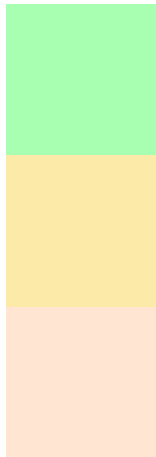


This preview shows how white text looks on a background with the Yxy color 83.1293, 0.3038, 0.4206.

# 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

83.1293, 0.3038, 0.4206

### Protanopia

82.3682, 0.3686, 0.3962

### Deuteranopia

81.9518, 0.3437, 0.3482



## Tritanopia

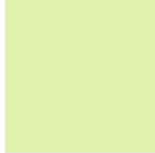
82.6872, 0.2806, 0.3141

# Trichromacy



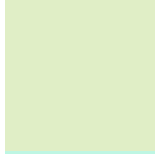
## Original Color

83.1293, 0.3038, 0.4206



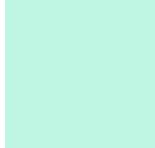
## Protanomaly

81.9741, 0.3429, 0.4060



## Deuteranomaly

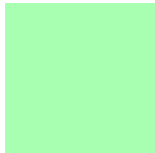
81.0736, 0.3282, 0.3721



## Tritanomaly

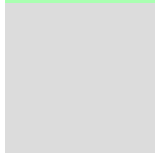
82.4047, 0.2890, 0.3500

# Monochromacy



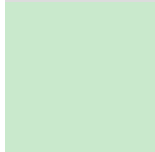
## Original Color

83.1293, 0.3038, 0.4206



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

75.0550, 0.3092, 0.3619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.1293, 0.3038, 0.4206 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(169, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 177)  
}
```

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(169, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1293, 0.3038, 0.4206 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(169, 255, 177) }
```

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

```
.border{ border-color:rgb(169, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 255, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 255, 177); box-shadow:4px 4px 4px 4px rgb(169, 255, 177) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1293, 0.3038, 0.4206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 177) }
```

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

```
.background{ background-color: rgb(169,  
255, 177) }
```

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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