

Converting Colors

$Yxy(83.8736, 0.3033, 0.4128)$

Have a look what the booklet for
Yxy(83.8736, 0.3033, 0.4128)
contains.

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Color

Yxy(83.8231, 0.3030, 0.4127)

Conversions

Conversions Part 1

Format	Color
Hex	ADFFB7
RGB	173, 255, 183
RGB Percent	68%, 100%, 72%
CMY	0.3216, 0.0000, 0.2823
CMYK	0.32, 0.00, 0.28, 0.00
HSL	127°, 100%, 84%
HSV	127°, 32%, 100%
XYZ	61.5420, 83.8231, 57.7439
YIQ	222.2740, -25.7600, -39.7760

Conversions

Conversions Part 2

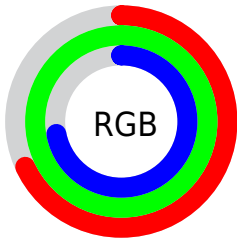
Format	Color
RYB	173, 246, 255
Decimal	11403191
CIELab	93.37, -38.88, 26.69
CIElCh	93, 47.156, 145.531
Yxy	83.8231, 0.3030, 0.4127
Android (android.graphics.Color)	4289593271 (0xFFADFFB7)
YUV	222.2740, -19.3621, -43.2133
Hunter-Lab	91.5550, -40.2358, 26.6941

Details

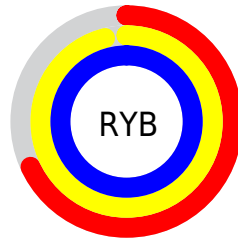
The Yxy color **83.8231, 0.3030, 0.4127** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.7392, 0.3243, 0.2577**, and the grayscale version is **73.4048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5750, 0.3064, 0.3451**, and **45.8514, 0.2994, 0.4332** is the 20% darker color. If you saturate the color by 10%, you get **80.3297, 0.3002, 0.4443**, and if you desaturate by 10%, it is **88.0212, 0.3060, 0.3834**.

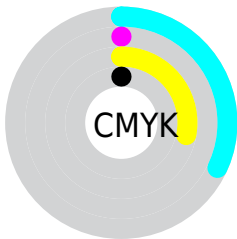
Distribution



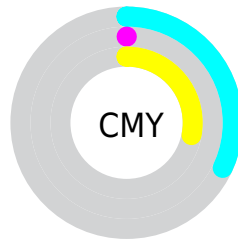
- Red (68%)
- Green (100%)
- Blue (72%)



- Red (68%)
- Yellow (96%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8231, 0.3030, 0.4127 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 83.8231, 0.3030, 0.4127 by changing the saturation by 10% instead.

 83.8231, 0.3030,
0.4127

 83.8231, 0.3030,
0.4127

507.7256, 0.3085,
0.3729

 62.8694, 0.3015,
0.4220


 138.7277, 0.3051,
0.3987

 45.7356, 0.2995,
0.4336


173.4474, 0.3059,
0.3933

 32.0372, 0.2968,
0.4485


213.5245, 0.3065,
0.3887

 21.3899, 0.2930,
0.4681

259.3435, 0.3070,
0.3847

 13.4093, 0.2871,
0.4951

311.2887, 0.3075,
0.3812

 7.7110, 0.2773,
0.5344


369.7445, 0.3078,


 3.9106, 0.2594,


0.3781


0.5957

435.0953, 0.3082,
0.3754

 1.6237, 0.2201,
0.7799


 0.3735, 0.0000,
1.0000


 83.8231, 0.3030,
0.4127


 83.8231, 0.3030,
0.4127

 80.3297, 0.3002,
0.4443


 88.0212, 0.3060,
0.3834

 77.4998, 0.2979,
0.4771

 92.9571, 0.3091,
0.3570

 75.2918, 0.2963,
0.5095

 98.6649, 0.3121,
0.3336

 73.6584, 0.2955,
0.5393

100.0000, 0.3127,
0.3290

■ 72.5454, 0.2957,
0.5644

■ 71.8880, 0.2968,
0.5830

■ 71.6197, 0.2979,
0.5926

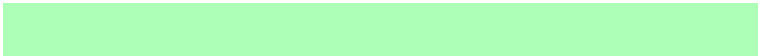
Harmonies

Analogous

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



83.8231, 0.3561, 0.4277



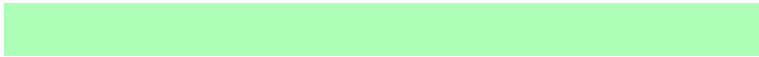
83.8231, 0.3030, 0.4127



83.8231, 0.2550, 0.3677

Triad

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



83.8231, 0.3030, 0.4127



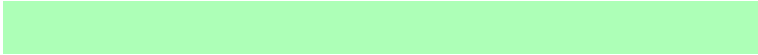
83.8231, 0.2292, 0.2468



83.8231, 0.4099, 0.3328

Complementary

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



83.8231, 0.3030, 0.4127



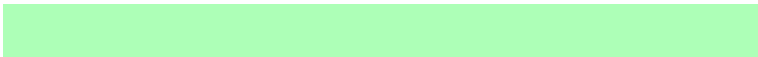
57.7392, 0.3243, 0.2577

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.



83.8231, 0.3699, 0.2926



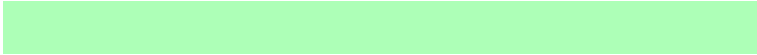
83.8231, 0.3030, 0.4127



83.8231, 0.2642, 0.2449

Square

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



83.8231, 0.3030, 0.4127



83.8231, 0.2152, 0.2696



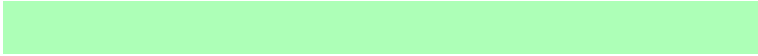
83.8231, 0.3152, 0.2614



83.8231, 0.4206, 0.3751

Rectangle

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



83.8231, 0.3030, 0.4127



83.8231, 0.2319, 0.3307



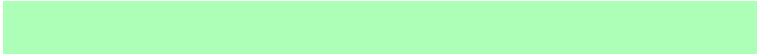
83.8231, 0.3152, 0.2614



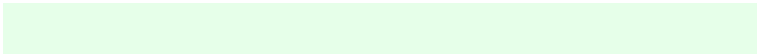
83.8231, 0.3993, 0.3188

Sweetspot

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



83.8240, 0.3030, 0.4127



94.1216, 0.3097, 0.3517



94.0277, 0.3549, 0.4114



19.9826, 0.3093, 0.3551



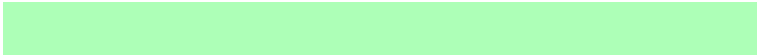
0.0000, 0.0000, 0.0000



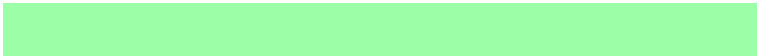
21.4041, 0.3127, 0.3290

Same Dimension

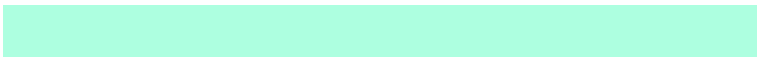
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8240, 0.3030, 0.4127



81.3590, 0.3011, 0.4341



85.7627, 0.2820, 0.3643



20.2043, 0.3099, 0.3505



37.4341, 0.2975, 0.5910



3.6557, 0.2933, 0.5758

Inverse Universe

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



57.7392, 0.3243, 0.2577



51.3483, 0.3272, 0.2428



55.5281, 0.3585, 0.2966



18.2599, 0.3157, 0.3084



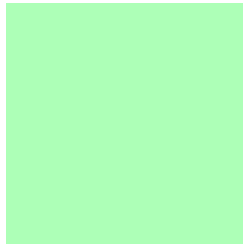
13.9318, 0.3544, 0.1726



1.3668, 0.3501, 0.1702

Previews

White Background



This preview shows how the Yxy color 83.8231, 0.3030, 0.4127 looks on a white background.

Color Contrast Check

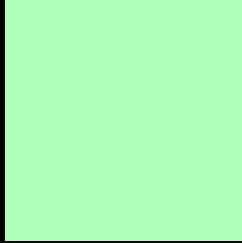
Large Text (above 18pt) WCAG AA × Fail

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 83.8231, 0.3030, 0.4127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

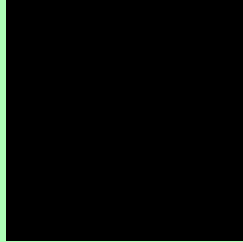
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.8231, 0.3030, 0.4127

Background



This preview shows how black text looks on a background with the Yxy color 83.8231, 0.3030, 0.4127.

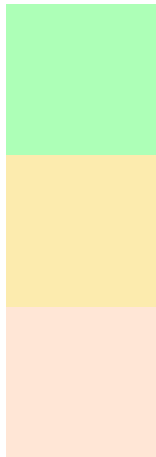


This preview shows how white text looks on a background with the Yxy color 83.8231, 0.3030, 0.4127.

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

83.8231, 0.3030, 0.4127

Protanopia

83.1681, 0.3644, 0.3911

Deuteranopia

82.7087, 0.3408, 0.3451



Tritanopia

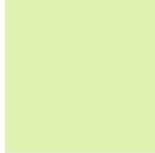
83.1097, 0.2823, 0.3142

Trichromacy



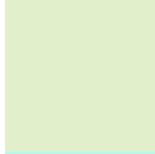
Original Color

83.8231, 0.3030, 0.4127



Protanomaly

82.3666, 0.3399, 0.3993



Deuteranomaly

82.0524, 0.3256, 0.3675



Tritanomaly

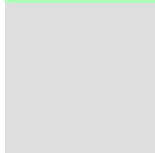
82.9061, 0.2897, 0.3476

Monochromacy



Original Color

83.8231, 0.3030, 0.4127



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2371, 0.3087, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8231, 0.3030, 0.4127 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 83.8231, 0.3030, 0.4127 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, 183) }
```

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

```
.border{ border-color:rgb(173, 255, 183) }
```

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, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8231, 0.3030, 0.4127 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, 183) }
```

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

```
.background{ background-color: rgb(173,  
255, 183) }
```

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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