

Converting Colors

Yxy(83.9633, 0.3021, 0.4100)

Have a look what the booklet for
Yxy(83.9633, 0.3021, 0.4100)
contains.

Yxy(83.9070, 0.3020, 0.4103)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.9070, 0.3020, 0.4103)

Conversions

Conversions Part 1

Format	Color
Hex	ADFFB9
RGB	173, 255, 185
RGB Percent	68%, 100%, 73%
CMY	0.3213, 0.0000, 0.2745
CMYK	0.32, 0.00, 0.27, 0.00
HSL	129°, 100%, 84%
HSV	129°, 32%, 100%
XYZ	61.7595, 83.9070, 58.8351
YIQ	222.5020, -26.4020, -39.1540

Conversions

Conversions Part 2

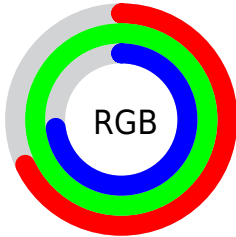
Format	Color
RYB	173, 245, 255
Decimal	11403193
CIELab	93.41, -38.52, 25.74
CIElCh	93, 46.331, 146.254
Yxy	83.9070, 0.3020, 0.4103
Android (android.graphics.Color)	4289593273 (0xFFADFFB9)
YUV	222.5020, -18.4885, -43.4133
Hunter-Lab	91.6008, -39.9523, 26.0386

Details

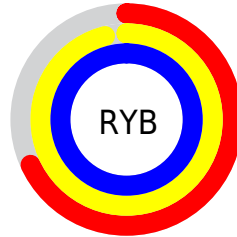
The Yxy color **83.9070, 0.3020, 0.4103** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.6440, 0.3258, 0.2594**, and the grayscale version is **73.5779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6939, 0.3053, 0.3431**, and **45.9057, 0.2982, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **80.4237, 0.2990, 0.4411**, and if you desaturate by 10%, it is **88.0931, 0.3053, 0.3818**.

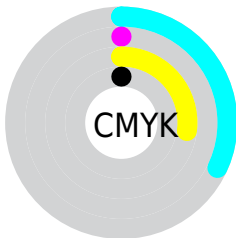
Distribution



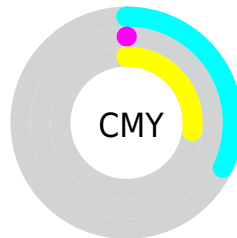
- Red (68%)
- Green (100%)
- Blue (73%)



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



- Cyan (32%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9070, 0.3020, 0.4103 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 83.9070, 0.3020, 0.4103 by changing the saturation by 10% instead.


 83.9070, 0.3020,
0.4103

 83.9070, 0.3020,
0.4103


508.0044, 0.3079,
0.3717

 62.9387, 0.3004,
0.4193

 138.8451, 0.3042,
0.3967

 45.7916, 0.2984,
0.4306


173.5836, 0.3050,
0.3915

 32.0814, 0.2956,
0.4450


213.6810, 0.3057,
0.3870

 21.4237, 0.2917,
0.4640


259.5216, 0.3063,
0.3831

 13.4340, 0.2857,
0.4902

311.4898, 0.3068,
0.3797

 7.7281, 0.2760,
0.5284


369.9701, 0.3072,


 3.9215, 0.2584,


0.3767


0.5881

435.3468, 0.3075,
0.3741


 1.6297, 0.2241,
0.7759

 0.3775, 0.0000,
1.0000


 83.9070, 0.3020,
0.4103


 83.9070, 0.3020,
0.4103

 80.4237, 0.2990,
0.4411

 88.0931, 0.3053,
0.3818

 77.5946, 0.2965,
0.4731

 93.0065, 0.3087,
0.3562

 75.3816, 0.2948,
0.5050

 98.6836, 0.3120,
0.3335

 73.7379, 0.2941,
0.5347

99.9969, 0.3127,
0.3290

■ 72.6104, 0.2945,
0.5601

■ 71.9353, 0.2958,
0.5795

■ 71.6513, 0.2972,
0.5900

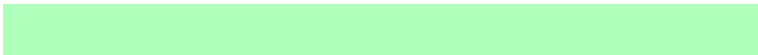
Harmonies

Analogous

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



83.9070, 0.3543, 0.4259



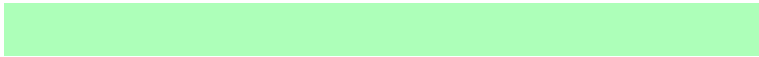
83.9070, 0.3020, 0.4103



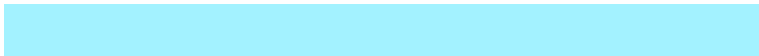
83.9070, 0.2550, 0.3657

Triad

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



83.9070, 0.3020, 0.4103



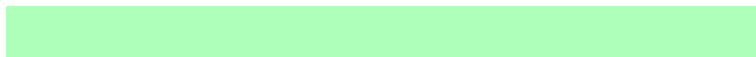
83.9070, 0.2311, 0.2479



83.9070, 0.4088, 0.3338

Complementary

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



83.9070, 0.3020, 0.4103



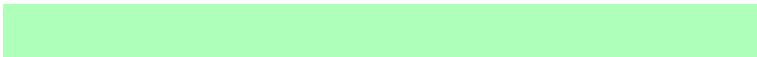
57.6440, 0.3258, 0.2594

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.



83.9070, 0.3700, 0.2941



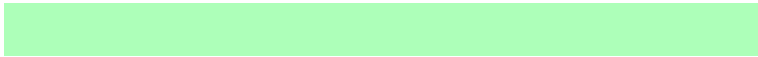
83.9070, 0.3020, 0.4103



83.9070, 0.2661, 0.2464

Square

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



83.9070, 0.3020, 0.4103



83.9070, 0.2168, 0.2699



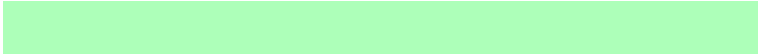
83.9070, 0.3165, 0.2631



83.9070, 0.4185, 0.3755

Rectangle

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



83.9070, 0.3020, 0.4103



83.9070, 0.2326, 0.3295



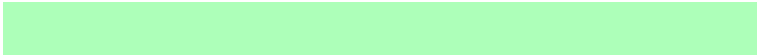
83.9070, 0.3165, 0.2631



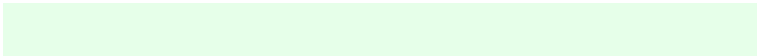
83.9070, 0.3986, 0.3200

Sweetspot

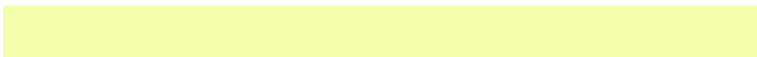
The Sweet Spot groups the original color and five complimentary colors.



83.9105, 0.3020, 0.4103



94.1558, 0.3094, 0.3511



93.7820, 0.3539, 0.4116



19.9908, 0.3089, 0.3544



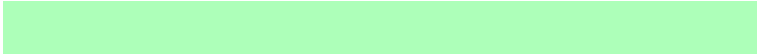
0.0000, 0.0000, 0.0000



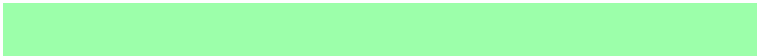
21.4041, 0.3127, 0.3290

Same Dimension

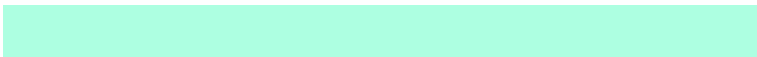
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9105, 0.3020, 0.4103



81.4467, 0.2999, 0.4312



85.8416, 0.2813, 0.3627



20.2113, 0.3096, 0.3499



37.4539, 0.2967, 0.5882



3.6590, 0.2921, 0.5714

Inverse Universe

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



57.6440, 0.3258, 0.2594



51.2081, 0.3292, 0.2448



55.4860, 0.3597, 0.2980



18.2522, 0.3160, 0.3089



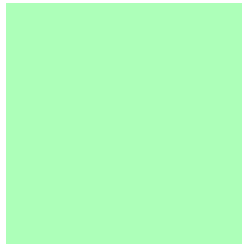
13.7673, 0.3616, 0.1766



1.3524, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 83.9070, 0.3020, 0.4103 looks on a white background.

Color Contrast Check

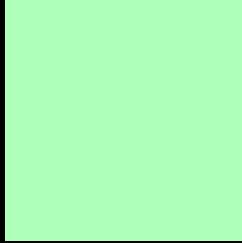
Large Text (above 18pt) WCAG AA × Fail

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 83.9070, 0.3020, 0.4103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

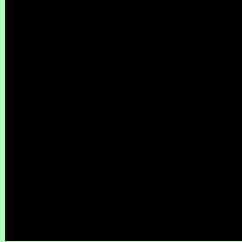
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9070, 0.3020, 0.4103

Background



This preview shows how black text looks on a background with the Yxy color 83.9070, 0.3020, 0.4103.

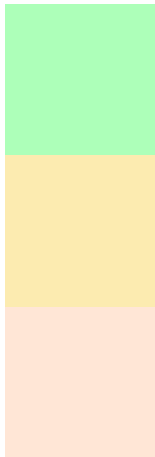


This preview shows how white text looks on a background with the Yxy color 83.9070, 0.3020, 0.4103.

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

83.9070, 0.3020, 0.4103

Protanopia

83.2467, 0.3631, 0.3890

Deuteranopia

82.7087, 0.3408, 0.3451



Tritanopia

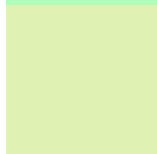
83.7034, 0.2824, 0.3153

Trichromacy



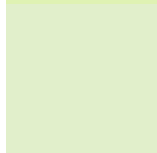
Original Color

83.9070, 0.3020, 0.4103



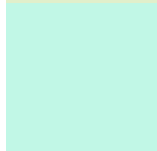
Protanomaly

82.4469, 0.3387, 0.3971



Deuteranomaly

82.0524, 0.3256, 0.3675



Tritanomaly

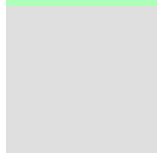
83.5722, 0.2892, 0.3476

Monochromacy



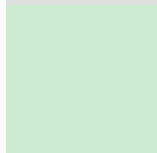
Original Color

83.9070, 0.3020, 0.4103



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.9992, 0.3087, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9070, 0.3020, 0.4103 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 185) }
```

Border

The CSS property to change the border of an element to Yxy 83.9070, 0.3020, 0.4103 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, 185) }
```

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

```
.border{ border-color:rgb(173, 255, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9070, 0.3020, 0.4103 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, 185) }
```

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

```
.background{ background-color: rgb(173,  
255, 185) }
```

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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