

Converting Colors

$Yxy(82.9687, 0.2977, 0.3914)$

Have a look what the booklet for
Yxy(82.9687, 0.2977, 0.3914)
contains.

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Color

Yxy(83.0451, 0.2974, 0.3912)

Conversions

Conversions Part 1

Format	Color
Hex	B1FCC6
RGB	177, 252, 198
RGB Percent	69%, 99%, 78%
CMY	0.3058, 0.0117, 0.2237
CMYK	0.30, 0.00, 0.21, 0.01
HSL	137°, 93%, 84%
HSV	137°, 30%, 99%
XYZ	63.1330, 83.0451, 66.1049
YIQ	223.4190, -27.3660, -32.6940

Conversions

Conversions Part 2

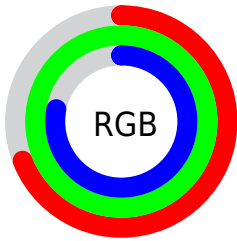
Format	Color
RYB	177, 236, 252
Decimal	11664582
CIELab	93.03, -33.72, 18.64
CIElCh	93, 38.527, 151.067
Yxy	83.0451, 0.2974, 0.3912
Android (android.graphics.Color)	4289854662 (0xFFB1FCC6)
YUV	223.4190, -12.5316, -40.7095
Hunter-Lab	91.1291, -35.8136, 20.7815

Details

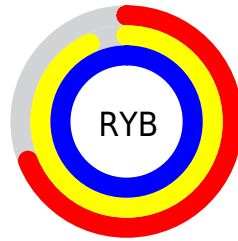
The Yxy color **83.0451, 0.2974, 0.3912** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.9177, 0.3327, 0.2741**, and the grayscale version is **74.2123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **45.1814, 0.2931, 0.4065** is the 20% darker color. If you saturate the color by 10%, you get **79.5690, 0.2929, 0.4166**, and if you desaturate by 10%, it is **87.1750, 0.3024, 0.3680**.

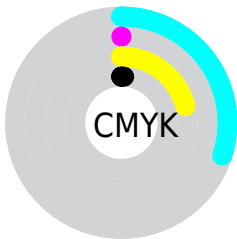
Distribution



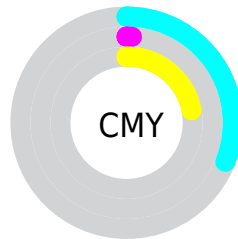
- Red (69%)
- Green (99%)
- Blue (78%)



- Red (69%)
- Yellow (93%)
- Blue (99%)



- Cyan (30%)
- Magenta (0%)
- Yellow (21%)
- Black (1%)





- Cyan (31%)
- Magenta (1%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0451, 0.2974, 0.3912 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 83.0451, 0.2974, 0.3912 by changing the saturation by 10% instead.


 83.0451, 0.2974,
0.3912

 83.0451, 0.2974,
0.3912

505.1368, 0.3049,
0.3618

 62.2274, 0.2956,
0.3980

 137.6386, 0.3001,
0.3809

 45.2164, 0.2932,
0.4065


172.1832, 0.3011,
0.3769

 31.6279, 0.2902,
0.4174


212.0722, 0.3020,
0.3735

 21.0775, 0.2861,
0.4318

257.6899, 0.3028,
0.3706

 13.1806, 0.2803,
0.4517

309.4209, 0.3034,
0.3680

 7.5531, 0.2713,
0.4808


367.6494, 0.3040,


 3.8103, 0.2561,


0.3657


0.5270

432.7599, 0.3045,
0.3637


 1.5680, 0.2300,
0.6576

 0.3359, 0.0000,
1.0000

 83.0451, 0.2974,
0.3912


 83.0451, 0.2974,
0.3912


 79.5690, 0.2929,
0.4166

 87.1750, 0.3024,
0.3680


 76.7027, 0.2892,
0.4437


 91.9794, 0.3076,
0.3471


 74.4129, 0.2866,
0.4716


 97.4911, 0.3128,
0.3286


 72.6587, 0.2854,
0.4992

 98.1046, 0.3128,
0.3262

 71.3936, 0.2858,
0.5253

 70.5630, 0.2877,
0.5482

 70.0815, 0.2909,
0.5670

 70.0720, 0.2909,
0.5674

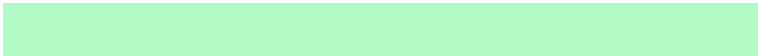
Harmonies

Analogous

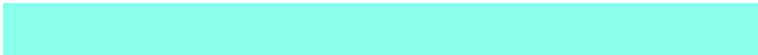
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0451, 0.3415, 0.4090



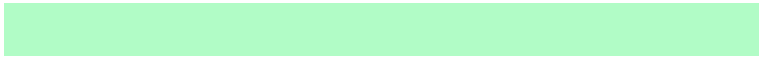
83.0451, 0.2974, 0.3912



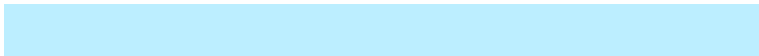
83.0451, 0.2592, 0.3525

Triad

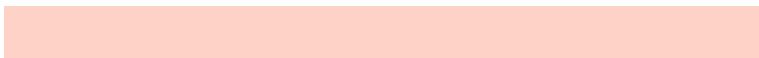
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0451, 0.2974, 0.3912



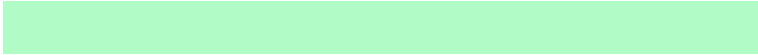
83.0451, 0.2474, 0.2591



83.0451, 0.3958, 0.3397

Complementary

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



83.0451, 0.2974, 0.3912



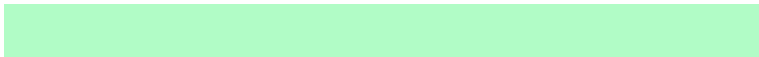
57.9177, 0.3327, 0.2741

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.



83.0451, 0.3670, 0.3049



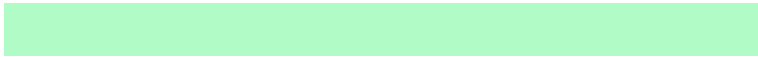
83.0451, 0.2974, 0.3912



83.0451, 0.2799, 0.2601

Square

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



83.0451, 0.2974, 0.3912



83.0451, 0.2320, 0.2756



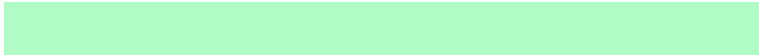
83.0451, 0.3236, 0.2766



83.0451, 0.4001, 0.3746

Rectangle

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



83.0451, 0.2974, 0.3912



83.0451, 0.2418, 0.3230



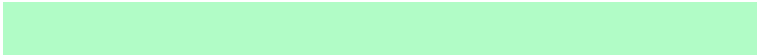
83.0451, 0.3236, 0.2766



83.0451, 0.3886, 0.3277

Sweetspot

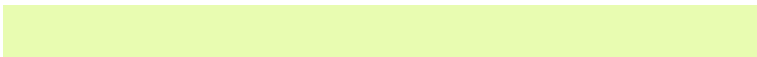
The Sweet Spot groups the original color and five complimentary colors.



83.0486, 0.2974, 0.3912



94.8844, 0.3080, 0.3456



89.9564, 0.3441, 0.4071



20.1442, 0.3072, 0.3485



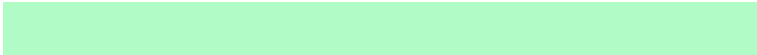
0.0000, 0.0000, 0.0000



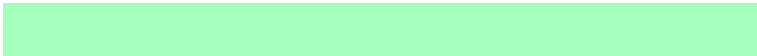
21.4041, 0.3127, 0.3290

Same Dimension

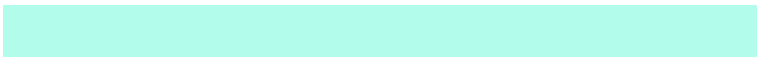
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0486, 0.2974, 0.3912



82.9952, 0.2945, 0.4069



84.9427, 0.2783, 0.3483



19.3889, 0.3077, 0.3466



36.5207, 0.2902, 0.5646



3.3997, 0.2838, 0.5415

Inverse Universe

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



57.9177, 0.3327, 0.2741



53.2023, 0.3381, 0.2623



56.0632, 0.3639, 0.3107



17.4370, 0.3181, 0.3121



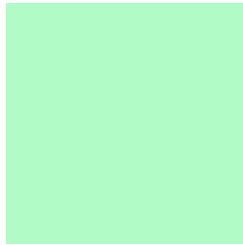
12.5575, 0.4071, 0.2016



1.1811, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 83.0451, 0.2974, 0.3912 looks on a white background.

Color Contrast Check

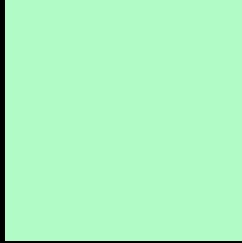
Large Text (above 18pt) WCAG AA × Fail

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 83.0451, 0.2974, 0.3912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

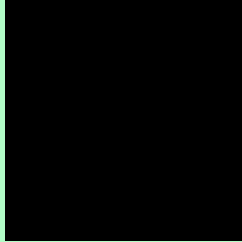
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

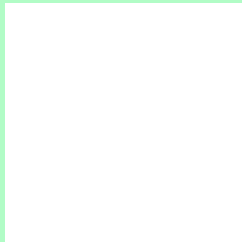
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0451, 0.2974, 0.3912

Background



This preview shows how black text looks on a background with the Yxy color 83.0451, 0.2974, 0.3912.

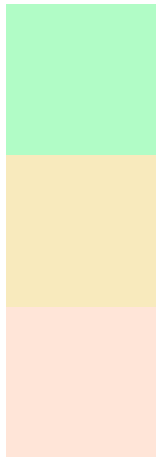


This preview shows how white text looks on a background with the Yxy color 83.0451, 0.2974, 0.3912.

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

83.0451, 0.2974, 0.3912

Protanopia

82.4762, 0.3518, 0.3753

Deuteranopia

82.2565, 0.3396, 0.3421



Tritanopia

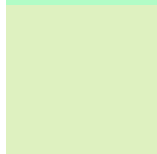
82.8271, 0.2812, 0.3142

Trichromacy



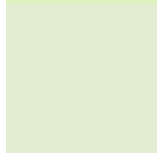
Original Color

83.0451, 0.2974, 0.3912



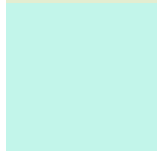
Protanomaly

82.2460, 0.3302, 0.3819



Deuteranomaly

81.5027, 0.3234, 0.3588



Tritanomaly

82.7147, 0.2875, 0.3410

Monochromacy



Original Color

83.0451, 0.2974, 0.3912



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.8225, 0.3063, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0451, 0.2974, 0.3912 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(177, 252, 198)` looks like.

```
.text, #text, p{  
    color:rgb(177, 252, 198)  
}
```

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(177, 252, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 252, 198) }
```

Border

The CSS property to change the border of an element to Yxy 83.0451, 0.2974, 0.3912 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(177, 252, 198) }
```

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

```
.border{ border-color:rgb(177, 252, 198) }
```

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

Here you see how a box with a 4 pixel rgb(177, 252, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 252, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 252, 198);  
box-shadow:4px 4px 4px 4px rgb(177, 252,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0451, 0.2974, 0.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 252, 198) }
```

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

```
.background{ background-color: rgb(177,  
252, 198) }
```

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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