

Converting Colors

$Yxy(85.2715, 0.2909, 0.3861)$

Have a look what the booklet for
Yxy(85.2715, 0.2909, 0.3861)
contains.

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Color

Yxy(84.8605, 0.2910, 0.3851)

Conversions

Conversions Part 1

Format	Color
Hex	ADFFCE
RGB	173, 255, 206
RGB Percent	68%, 100%, 81%
CMY	0.3217, 0.0000, 0.1923
CMYK	0.32, 0.00, 0.19, 0.00
HSL	144°, 100%, 84%
HSV	144°, 32%, 100%
XYZ	64.1247, 84.8605, 71.3745
YIQ	224.8960, -33.1430, -32.6230

Conversions

Conversions Part 2

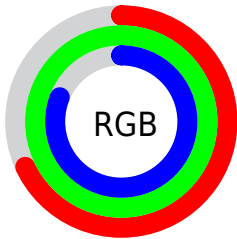
Format	Color
RYB	173, 231, 255
Decimal	11403214
CIELab	93.82, -34.85, 15.61
CIELCh	94, 38.183, 155.864
Yxy	84.8605, 0.2910, 0.3851
Android (android.graphics.Color)	4289593294 (0xFFADFFCE)
YUV	224.8960, -9.3157, -45.5128
Hunter-Lab	92.1198, -36.9555, 18.5459

Details

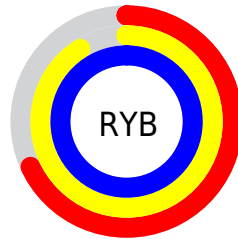
The Yxy color **84.8605, 0.2910, 0.3851** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.4053, 0.3432, 0.2791**, and the grayscale version is **75.2907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **46.5067, 0.2855, 0.3983** is the 20% darker color. If you saturate the color by 10%, you get **81.5157, 0.2854, 0.4063**, and if you desaturate by 10%, it is **88.8203, 0.2974, 0.3656**.

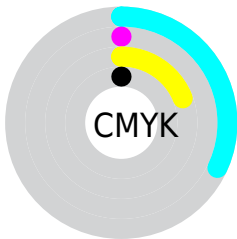
Distribution



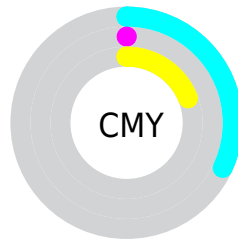
- Red (68%)
- Green (100%)
- Blue (81%)



- Red (68%)
- Yellow (91%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8605, 0.2910, 0.3851 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 84.8605, 0.2910, 0.3851 by changing the saturation by 10% instead.


 84.8605, 0.2910,
0.3851

 84.8605, 0.2910,
0.3851

511.1664, 0.3013,
0.3588

 63.7261, 0.2886,
0.3912


 140.1783, 0.2946,
0.3759

 46.4289, 0.2856,
0.3987


175.1304, 0.2960,
0.3724

 32.5844, 0.2818,
0.4084


215.4573, 0.2972,
0.3693

 21.8083, 0.2767,
0.4211

261.5433, 0.2982,
0.3666

 13.7161, 0.2696,
0.4385

313.7728, 0.2991,
0.3643

 7.9235, 0.2593,
0.4640

372.5302, 0.2999,

 4.0460, 0.2426,

0.3623

0.5042

438.2000, 0.3006,
0.3604

1.6993, 0.2098,
0.5905

0.4232, 0.0000,
1.0000

84.8605, 0.2910,
0.3851

84.8605, 0.2910,
0.3851

81.5157, 0.2854,
0.4063

88.8203, 0.2974,
0.3656

78.7694, 0.2808,
0.4289

93.4434, 0.3042,
0.3479

76.5790, 0.2777,
0.4524

98.7531, 0.3112,
0.3322

74.9030, 0.2763,
0.4761

100.0000, 0.3127,
0.3290

■ 73.6942, 0.2768,
0.4990

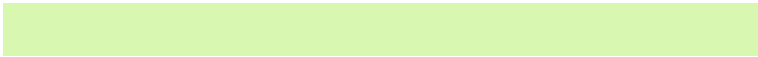
■ 72.8956, 0.2792,
0.5203

■ 72.4915, 0.2821,
0.5354

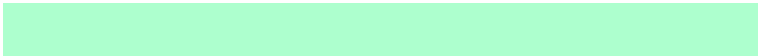
Harmonies

Analogous

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



84.8605, 0.3342, 0.4066



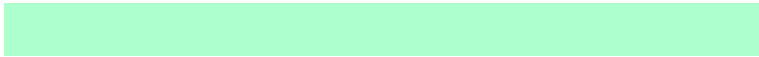
84.8605, 0.2910, 0.3851



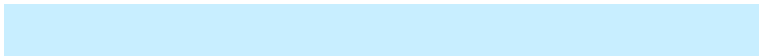
84.8605, 0.2553, 0.3452

Triad

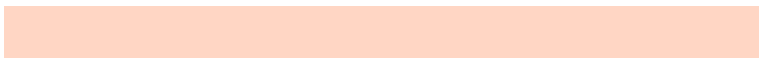
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8605, 0.2910, 0.3851



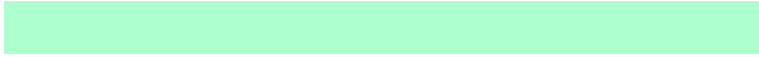
84.8605, 0.2525, 0.2592



84.8605, 0.3969, 0.3453

Complementary

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



84.8605, 0.2910, 0.3851



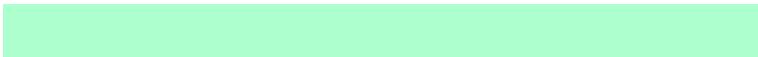
56.4053, 0.3432, 0.2791

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.



84.8605, 0.3720, 0.3105



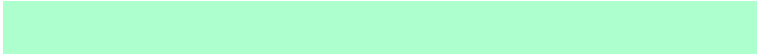
84.8605, 0.2910, 0.3851



84.8605, 0.2868, 0.2627

Square

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



84.8605, 0.2910, 0.3851



84.8605, 0.2344, 0.2727



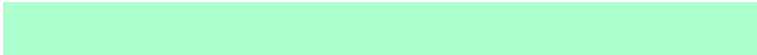
84.8605, 0.3307, 0.2811



84.8605, 0.3970, 0.3789

Rectangle

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



84.8605, 0.2910, 0.3851



84.8605, 0.2399, 0.3164



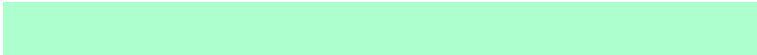
84.8605, 0.3307, 0.2811



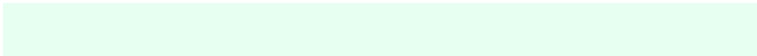
84.8605, 0.3911, 0.3335

Sweetspot

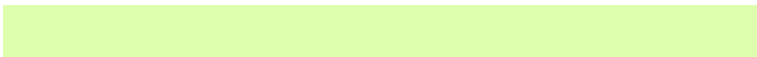
The Sweet Spot groups the original color and five complimentary colors.



84.8547, 0.2910, 0.3851



94.5375, 0.3057, 0.3443



90.0943, 0.3392, 0.4159



20.0826, 0.3047, 0.3467



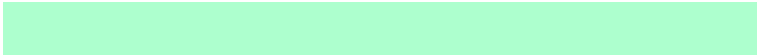
0.0000, 0.0000, 0.0000



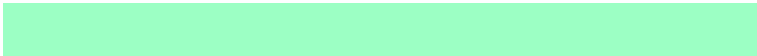
21.4041, 0.3127, 0.3290

Same Dimension

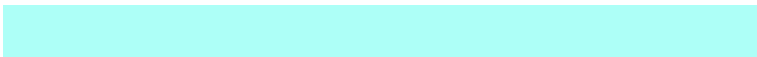
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8547, 0.2910, 0.3851



82.5090, 0.2871, 0.3994



87.1026, 0.2705, 0.3379



20.2893, 0.3060, 0.3435



37.9060, 0.2812, 0.5324



3.7117, 0.2749, 0.5097

Inverse Universe

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



56.4053, 0.3432, 0.2791



49.7915, 0.3520, 0.2683



54.4751, 0.3798, 0.3206



18.1694, 0.3200, 0.3149



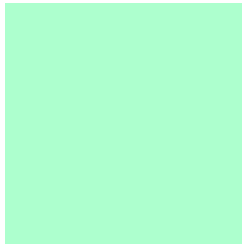
12.3303, 0.4554, 0.2282



1.2222, 0.4358, 0.2175

Previews

White Background



This preview shows how the Yxy color 84.8605, 0.2910, 0.3851 looks on a white background.

Color Contrast Check

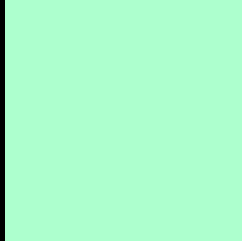
Large Text (above 18pt) WCAG AA × Fail

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 84.8605, 0.2910, 0.3851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

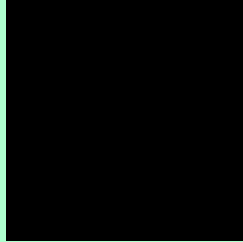
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.8605, 0.2910, 0.3851

Background



This preview shows how black text looks on a background with the Yxy color 84.8605, 0.2910, 0.3851.

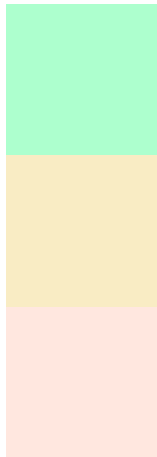


This preview shows how white text looks on a background with the Yxy color 84.8605, 0.2910, 0.3851.

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

84.8605, 0.2910, 0.3851

Protanopia

84.1162, 0.3475, 0.3698

Deuteranopia

83.7395, 0.3346, 0.3370



Tritanopia

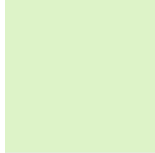
84.5866, 0.2836, 0.3164

Trichromacy



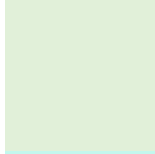
Original Color

84.8605, 0.2910, 0.3851



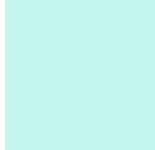
Protanomaly

83.6435, 0.3243, 0.3752



Deuteranomaly

83.3375, 0.3169, 0.3533



Tritanomaly

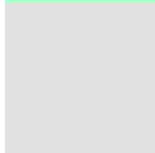
84.2381, 0.2866, 0.3398

Monochromacy



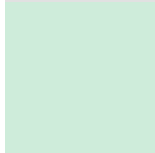
Original Color

84.8605, 0.2910, 0.3851



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.1747, 0.3039, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8605, 0.2910, 0.3851 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 84.8605, 0.2910, 0.3851 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, 206) }
```

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

```
.border{ border-color:rgb(173, 255, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 255, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 255, 206); box-shadow:4px 4px 4px 4px rgb(173, 255, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8605, 0.2910, 0.3851 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, 206) }
```

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

```
.background{ background-color: rgb(173,  
255, 206) }
```

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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