

Converting Colors

$Yxy(90.6938, 0.2935, 0.3974)$

Have a look what the booklet for
Yxy(90.6938, 0.2935, 0.3974)
contains.

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Color

Yxy(84.8305, 0.2931, 0.3885)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | AEFFCB |
| RGB | 174, 255, 203 |
| RGB Percent | 68%, 100%, 80% |
| CMY | 0.3176, 0.0000, 0.2038 |
| CMYK | 0.32, 0.00, 0.20, 0.00 |
| HSL | 142°, 100%, 84% |
| HSV | 142°, 32%, 100% |
| XYZ | 63.9995, 84.8305, 69.5239 |
| YIQ | 224.8530, -31.5840, -33.3440 |

Conversions

Conversions Part 2

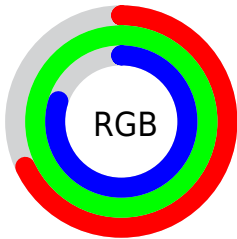
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 174, 234, 255 |
| Decimal | 11468747 |
| CIELab | 93.81, -35.07, 17.11 |
| CIELCh | 94, 39.024, 154.002 |
| Yxy | 84.8305, 0.2931, 0.3885 |
| Android (android.graphics.Color) | 4289658827 (0xFFAEFFCB) |
| YUV | 224.8530, -10.7735, -44.5981 |
| Hunter-Lab | 92.1035, -37.1476, 19.7176 |

Details

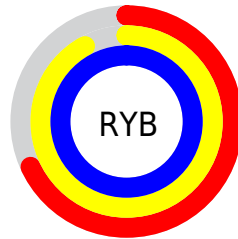
The Yxy color **84.8305, 0.2931, 0.3885** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.0243, 0.3397, 0.2763**, and the grayscale version is **75.2841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **46.4800, 0.2880, 0.4029** is the 20% darker color. If you saturate the color by 10%, you get **81.4375, 0.2879, 0.4113**, and if you desaturate by 10%, it is **88.8672, 0.2990, 0.3675**.

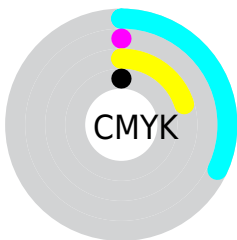
Distribution



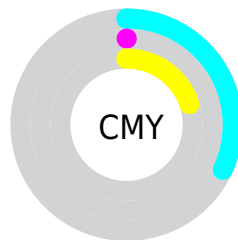
- Red (68%)
- Green (100%)
- Blue (80%)



- Red (68%)
- Yellow (92%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8305, 0.2931, 0.3885 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 84.8305, 0.2931, 0.3885 by changing the saturation by 10% instead.


 84.8305, 0.2931,
0.3885

 84.8305, 0.2931,
0.3885


511.0670, 0.3025,
0.3605

 63.7013, 0.2909,
0.3950


 140.1363, 0.2964,
0.3787

 46.4088, 0.2881,
0.4030

175.0818, 0.2977,
0.3749

 32.5685, 0.2845,
0.4133


215.4015, 0.2988,
0.3717

 21.7961, 0.2797,
0.4268

261.4798, 0.2997,
0.3689

 13.7072, 0.2730,
0.4455

313.7011, 0.3006,
0.3664

 7.9173, 0.2631,
0.4726


372.4498, 0.3013,


 4.0421, 0.2468,

0.3642


0.5156


438.1103, 0.3019,
0.3623


 1.6971, 0.2161,
0.6143


 0.4218, 0.0000,
1.0000


 84.8305, 0.2931,
0.3885


 84.8305, 0.2931,
0.3885


 81.4375, 0.2879,
0.4113


 88.8672, 0.2990,
0.3675

 78.6459, 0.2837,
0.4356

 93.5709, 0.3052,
0.3486

 76.4211, 0.2808,
0.4608

 98.9736, 0.3116,
0.3318

 74.7215, 0.2796,
0.4860

100.0000, 0.3127,
0.3290

■ 73.4991, 0.2802,
0.5101

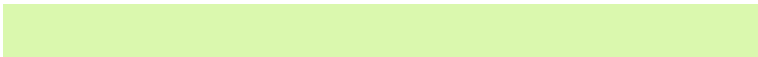
■ 72.6970, 0.2826,
0.5320

■ 72.2823, 0.2856,
0.5480

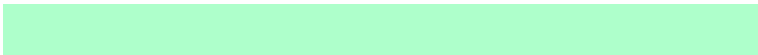
Harmonies

Analogous

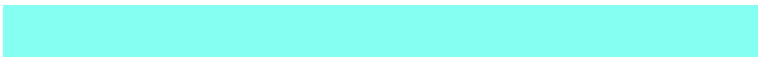
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8305, 0.3373, 0.4089



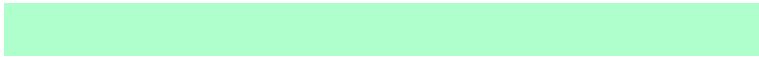
84.8305, 0.2931, 0.3885



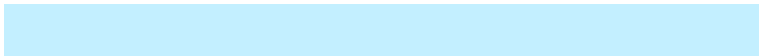
84.8305, 0.2559, 0.3483

Triad

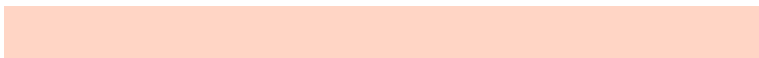
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8305, 0.2931, 0.3885



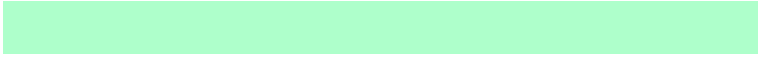
84.8305, 0.2495, 0.2581



84.8305, 0.3979, 0.3433

Complementary

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



84.8305, 0.2931, 0.3885



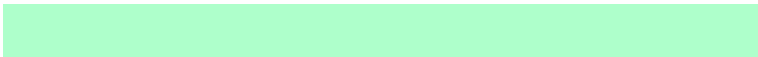
57.0243, 0.3397, 0.2763

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.



84.8305, 0.3710, 0.3079



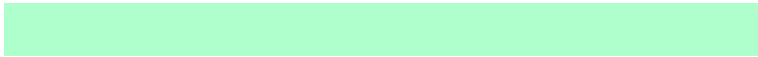
84.8305, 0.2931, 0.3885



84.8305, 0.2837, 0.2607

Square

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



84.8305, 0.2931, 0.3885



84.8305, 0.2323, 0.2729



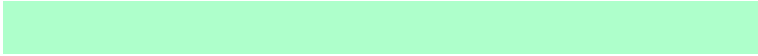
84.8305, 0.3282, 0.2786



84.8305, 0.3996, 0.3779

Rectangle

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



84.8305, 0.2931, 0.3885



84.8305, 0.2395, 0.3187



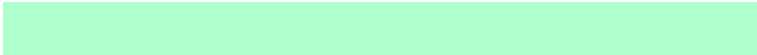
84.8305, 0.3282, 0.2786



84.8305, 0.3914, 0.3312

Sweetspot

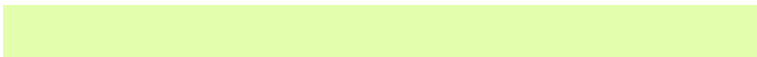
The Sweet Spot groups the original color and five complimentary colors.



84.8332, 0.2931, 0.3885



94.4711, 0.3063, 0.3455



90.8508, 0.3416, 0.4140



20.0666, 0.3054, 0.3480



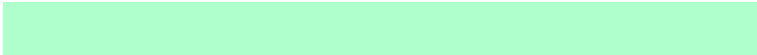
0.0000, 0.0000, 0.0000



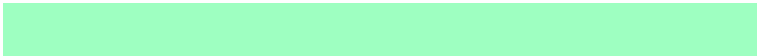
21.4041, 0.3127, 0.3290

Same Dimension

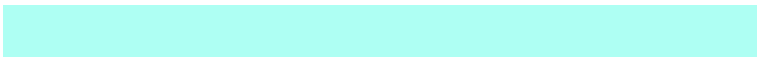
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8332, 0.2931, 0.3885



82.6421, 0.2898, 0.4025



86.9816, 0.2729, 0.3422



20.2758, 0.3066, 0.3446



37.7949, 0.2847, 0.5450



3.6999, 0.2784, 0.5222

Inverse Universe

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



57.0243, 0.3397, 0.2763



50.9293, 0.3468, 0.2658



55.0868, 0.3749, 0.3164



18.1833, 0.3193, 0.3139



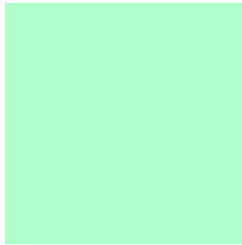
12.5313, 0.4376, 0.2184



1.2410, 0.4207, 0.2091

Previews

White Background



This preview shows how the Yxy color 84.8305, 0.2931, 0.3885 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 84.8305, 0.2931, 0.3885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

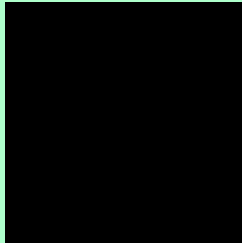
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.8305, 0.2931, 0.3885

Background



This preview shows how black text looks on a background with the Yxy color 84.8305, 0.2931, 0.3885.

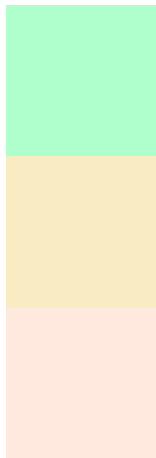


This preview shows how white text looks on a background with the Yxy color 84.8305, 0.2931, 0.3885.

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

84.8305, 0.2931, 0.3885

Protanopia

84.2099, 0.3495, 0.3718

Deuteranopia

84.2472, 0.3351, 0.3390



Tritanopia

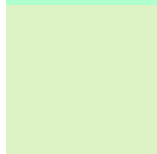
84.7311, 0.2842, 0.3164

Trichromacy



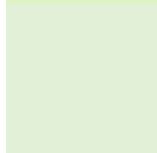
Original Color

84.8305, 0.2931, 0.3885



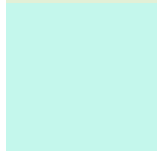
Protanomaly

83.6620, 0.3268, 0.3784



Deuteranomaly

83.3952, 0.3188, 0.3554



Tritanomaly

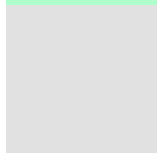
84.3134, 0.2877, 0.3409

Monochromacy



Original Color

84.8305, 0.2931, 0.3885



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.1225, 0.3045, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8305, 0.2931, 0.3885 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(174, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 203)  
}
```

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(174, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 203) }
```

Border

The CSS property to change the border of an element to Yxy 84.8305, 0.2931, 0.3885 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(174, 255, 203) }
```

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

```
.border{ border-color:rgb(174, 255, 203) }
```

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

Here you see how a box with a 4 pixel rgb(174, 255, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8305, 0.2931, 0.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 203) }
```

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

```
.background{ background-color: rgb(174,  
255, 203) }
```

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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