

Converting Colors

$Y_{xy}(105.2726, 0.2893, 0.4098)$

Have a look what the booklet for
Yxy(105.2726, 0.2893, 0.4098)
contains.

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Color

Yxy(84.8311, 0.2879, 0.3804)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFD2
RGB	171, 255, 210
RGB Percent	67%, 100%, 82%
CMY	0.3291, 0.0000, 0.1764
CMYK	0.33, 0.00, 0.18, 0.00
HSL	148°, 100%, 84%
HSV	148°, 33%, 100%
XYZ	64.2031, 84.8311, 73.9708
YIQ	224.7540, -35.6190, -31.8030

Conversions

Conversions Part 2

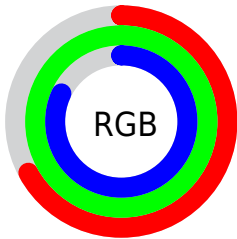
Format	Color
RYB	171, 228, 255
Decimal	11272146
CIELab	93.81, -34.61, 13.51
CIELCh	94, 37.155, 158.678
Yxy	84.8311, 0.2879, 0.3804
Android (android.graphics.Color)	4289462226 (0xFFABFFD2)
YUV	224.7540, -7.2737, -47.1423
Hunter-Lab	92.1038, -36.7540, 16.8554

Details

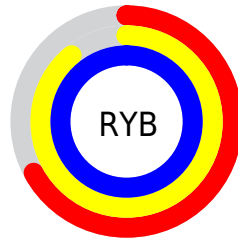
The Yxy color **84.8311, 0.2879, 0.3804** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.3796, 0.3486, 0.2830**, and the grayscale version is **75.1976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **46.4677, 0.2823, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **81.5875, 0.2817, 0.3994**, and if you desaturate by 10%, it is **88.6923, 0.2950, 0.3629**.

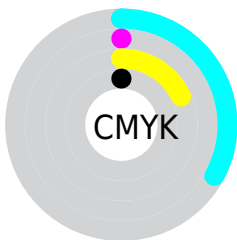
Distribution



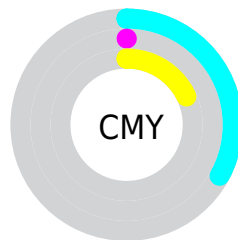
- Red (67%)
- Green (100%)
- Blue (82%)



- Red (67%)
- Yellow (89%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8311, 0.2879, 0.3804 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 84.8311, 0.2879, 0.3804 by changing the saturation by 10% instead.


 84.8311, 0.2879,
0.3804

 84.8311, 0.2879,
0.3804


511.0690, 0.2995,
0.3564

 63.7018, 0.2852,
0.3859

 140.1372, 0.2919,
0.3720

 46.4092, 0.2819,
0.3928


175.0828, 0.2935,
0.3688

 32.5689, 0.2777,
0.4016


215.4026, 0.2949,
0.3660

 21.7964, 0.2722,
0.4131

261.4810, 0.2960,
0.3635

 13.7074, 0.2646,
0.4290

313.7025, 0.2971,
0.3614

 7.9174, 0.2535,
0.4520


372.4514, 0.2980,


 4.0421, 0.2361,


0.3595


0.4884


438.1121, 0.2988,
0.3579

 1.6972, 0.2010,
0.5609


 0.4218, 0.0000,
1.0000


 84.8311, 0.2879,
0.3804


 84.8311, 0.2879,
0.3804


 81.5875, 0.2817,
0.3994


 88.6923, 0.2950,
0.3629

 78.9177, 0.2767,
0.4196

 93.1913, 0.3026,
0.3470

 76.7886, 0.2732,
0.4407

 98.3602, 0.3104,
0.3328

 75.1592, 0.2715,
0.4621

99.9925, 0.3127,
0.3290

■ 73.9822, 0.2718,
0.4830

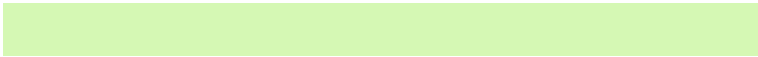
■ 73.2006, 0.2742,
0.5029

■ 72.8276, 0.2767,
0.5161

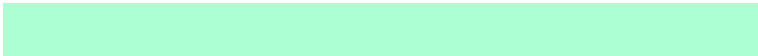
Harmonies

Analogous

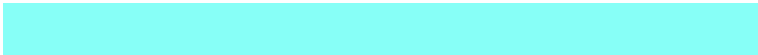
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8311, 0.3298, 0.4035



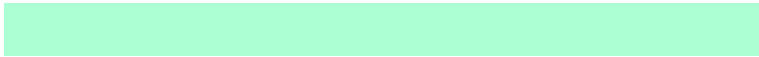
84.8311, 0.2879, 0.3804



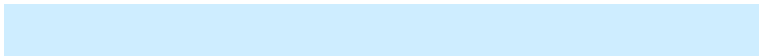
84.8311, 0.2542, 0.3408

Triad

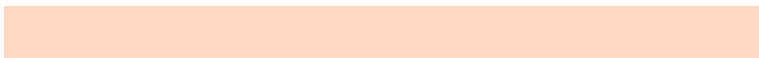
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8311, 0.2879, 0.3804



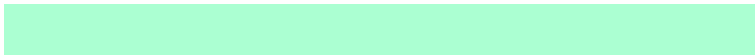
84.8311, 0.2565, 0.2605



84.8311, 0.3957, 0.3483

Complementary

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



84.8311, 0.2879, 0.3804



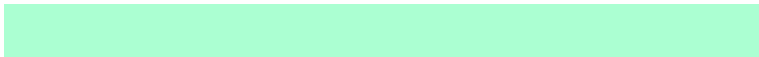
55.3796, 0.3486, 0.2830

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.



84.8311, 0.3735, 0.3140



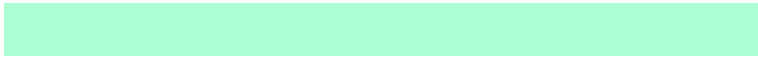
84.8311, 0.2879, 0.3804



84.8311, 0.2913, 0.2655

Square

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



84.8311, 0.2879, 0.3804



84.8311, 0.2372, 0.2722



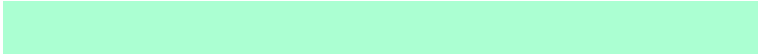
84.8311, 0.3343, 0.2846



84.8311, 0.3935, 0.3805

Rectangle

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



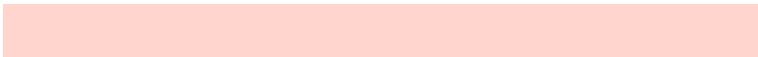
84.8311, 0.2879, 0.3804



84.8311, 0.2403, 0.3131



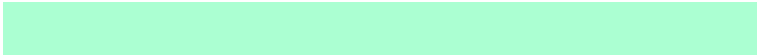
84.8311, 0.3343, 0.2846



84.8311, 0.3908, 0.3367

Sweetspot

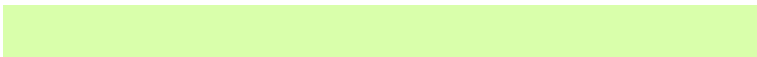
The Sweet Spot groups the original color and five complimentary colors.



84.8346, 0.2879, 0.3804



94.6310, 0.3048, 0.3427



89.2440, 0.3370, 0.4189



20.1052, 0.3037, 0.3448



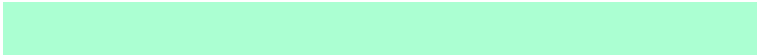
0.0000, 0.0000, 0.0000



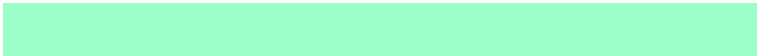
21.4041, 0.3127, 0.3290

Same Dimension

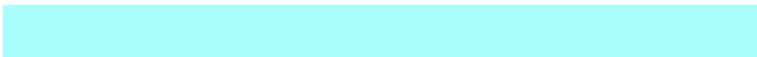
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8346, 0.2879, 0.3804



82.7926, 0.2840, 0.3918



87.1328, 0.2677, 0.3334



20.3084, 0.3052, 0.3420



38.0874, 0.2759, 0.5131



3.7302, 0.2698, 0.4914

Inverse Universe

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



55.3796, 0.3486, 0.2830



49.4828, 0.3578, 0.2743



53.5247, 0.3858, 0.3248



18.1499, 0.3210, 0.3163



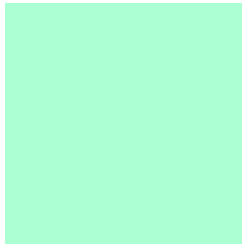
12.0785, 0.4811, 0.2424



1.1981, 0.4578, 0.2296

Previews

White Background



This preview shows how the Yxy color 84.8311, 0.2879, 0.3804 looks on a white background.

Color Contrast Check

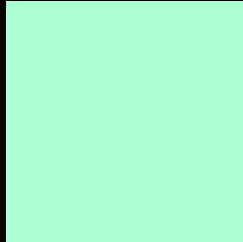
Large Text (above 18pt) WCAG AA × Fail

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 84.8311, 0.2879, 0.3804 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 84.8311, 0.2879, 0.3804

Background



This preview shows how black text looks on a background with the Yxy color 84.8311, 0.2879, 0.3804.

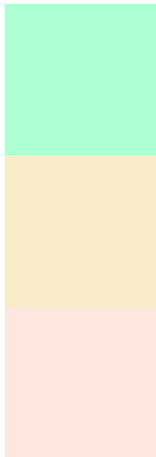


This preview shows how white text looks on a background with the Yxy color 84.8311, 0.2879, 0.3804.

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

84.8311, 0.2879, 0.3804

Protanopia

84.3008, 0.3448, 0.3657

Deuteranopia

83.7936, 0.3339, 0.3360



Tritanopia

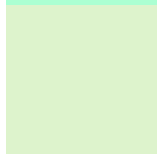
84.5866, 0.2836, 0.3164

Trichromacy



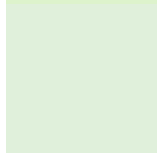
Original Color

84.8311, 0.2879, 0.3804



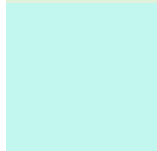
Protanomaly

83.8330, 0.3219, 0.3708



Deuteranomaly

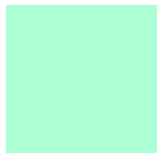
83.2819, 0.3150, 0.3512



Tritanomaly

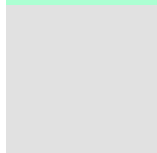
84.2229, 0.2849, 0.3376

Monochromacy



Original Color

84.8311, 0.2879, 0.3804



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.1373, 0.3020, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8311, 0.2879, 0.3804 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(171, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 210)  
}
```

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(171, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 210) }
```

Border

The CSS property to change the border of an element to Yxy 84.8311, 0.2879, 0.3804 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(171, 255, 210) }
```

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

```
.border{ border-color:rgb(171, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8311, 0.2879, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 210) }
```

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

```
.background{ background-color: rgb(171,  
255, 210) }
```

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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