

Converting Colors

$Y_{xy}(100.0000, 0.2885, 0.4041)$

Have a look what the booklet for
Yxy(100.0000, 0.2885, 0.4041)
contains.

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Color

Yxy(84.5585, 0.2873, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	A9FFD1
RGB	169, 255, 209
RGB Percent	66%, 100%, 82%
CMY	0.3373, 0.0000, 0.1804
CMYK	0.34, 0.00, 0.18, 0.00
HSL	148°, 100%, 83%
HSV	148°, 34%, 100%
XYZ	63.6293, 84.5585, 73.2855
YIQ	224.0420, -36.4900, -32.5380

Conversions

Conversions Part 2

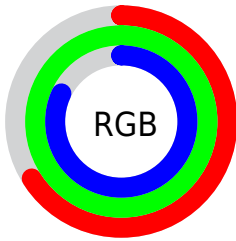
Format	Color
RYB	169, 228, 255
Decimal	11141073
CIELab	93.69, -35.42, 13.85
CIElCh	94, 38.028, 158.638
Yxy	84.5585, 0.2873, 0.3818
Android (android.graphics.Color)	4289331153 (0xFFA9FFD1)
YUV	224.0420, -7.4157, -48.2718
Hunter-Lab	91.9557, -37.4084, 17.1169

Details

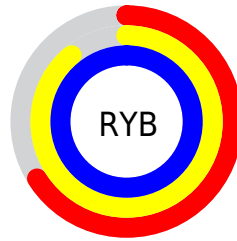
The Yxy color **84.5585, 0.2873, 0.3818** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.5408, 0.3499, 0.2819**, and the grayscale version is **74.6445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **46.3321, 0.2811, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **81.3603, 0.2812, 0.4009**, and if you desaturate by 10%, it is **88.3632, 0.2943, 0.3642**.

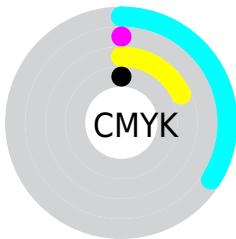
Distribution



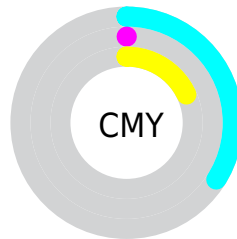
- Red (66%)
- Green (100%)
- Blue (82%)



- Red (66%)
- Yellow (89%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5585, 0.2873, 0.3818 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 84.5585, 0.2873, 0.3818 by changing the saturation by 10% instead.

 84.5585, 0.2873,
0.3818

 84.5585, 0.2873,
0.3818


510.1660, 0.2992,
0.3571

 63.4766, 0.2846,
0.3875


 139.7562, 0.2915,
0.3732

 46.2269, 0.2811,
0.3946


174.6408, 0.2931,
0.3698

 32.4249, 0.2768,
0.4037


214.8951, 0.2944,
0.3670

 21.6863, 0.2711,
0.4156

260.9035, 0.2956,
0.3645

 13.6266, 0.2633,
0.4319

313.0504, 0.2967,
0.3623

 7.8614, 0.2519,
0.4558

371.7202, 0.2976,

 4.0064, 0.2339,

0.3603

0.4935

437.2973, 0.2985,
0.3586

■ 1.6771, 0.1963,
0.5713

■ 0.4088, 0.0000,
1.0000

■ 84.5585, 0.2873,
0.3818

■ 84.5585, 0.2873,
0.3818

■ 81.3603, 0.2812,
0.4009

■ 88.3632, 0.2943,
0.3642

■ 78.7369, 0.2762,
0.4211

■ 92.8073, 0.3019,
0.3482

■ 76.6509, 0.2729,
0.4422

■ 97.9187, 0.3098,
0.3339

■ 75.0608, 0.2714,
0.4635

100.0000, 0.3127,
0.3290

■ 73.9187, 0.2719,
0.4844

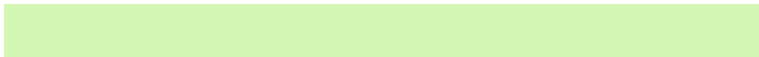
■ 73.1665, 0.2743,
0.5041

■ 72.8423, 0.2766,
0.5157

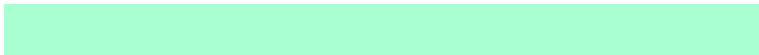
Harmonies

Analogous

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



84.5585, 0.3302, 0.4054



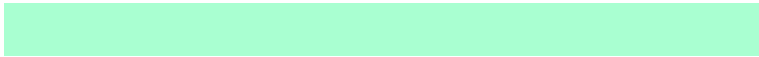
84.5585, 0.2873, 0.3818



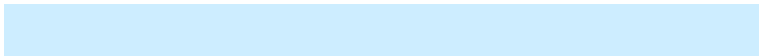
84.5585, 0.2528, 0.3411

Triad

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



84.5585, 0.2873, 0.3818



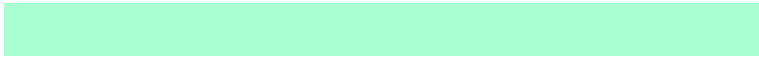
84.5585, 0.2552, 0.2590



84.5585, 0.3977, 0.3485

Complementary

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



84.5585, 0.2873, 0.3818



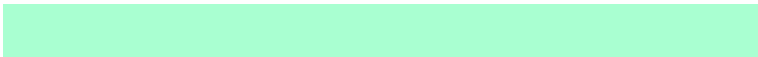
54.5408, 0.3499, 0.2819

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.



84.5585, 0.3750, 0.3136



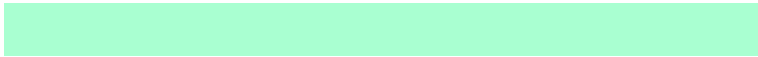
84.5585, 0.2873, 0.3818



84.5585, 0.2907, 0.2640

Square

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



84.5585, 0.2873, 0.3818



84.5585, 0.2355, 0.2709



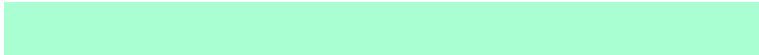
84.5585, 0.3347, 0.2836



84.5585, 0.3954, 0.3815

Rectangle

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



84.5585, 0.2873, 0.3818



84.5585, 0.2386, 0.3127



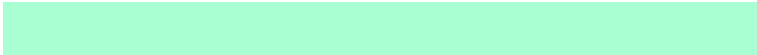
84.5585, 0.3347, 0.2836



84.5585, 0.3927, 0.3367

Sweetspot

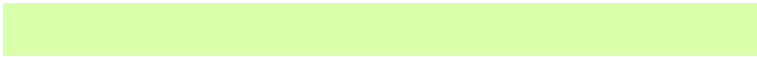
The Sweet Spot groups the original color and five complimentary colors.



84.5579, 0.2873, 0.3818



94.6328, 0.3048, 0.3427



89.0288, 0.3375, 0.4213



20.1056, 0.3037, 0.3448



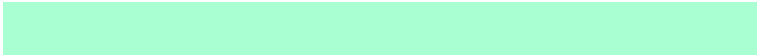
0.0000, 0.0000, 0.0000



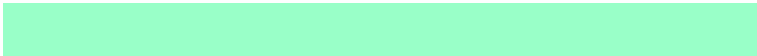
21.4041, 0.3127, 0.3290

Same Dimension

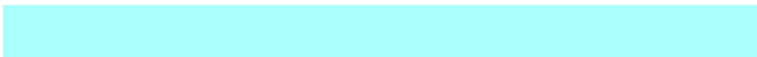
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5579, 0.2873, 0.3818



82.4830, 0.2833, 0.3936



86.9007, 0.2667, 0.3336



20.3088, 0.3052, 0.3420



38.0912, 0.2758, 0.5127



3.7306, 0.2697, 0.4911

Inverse Universe

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



54.5408, 0.3499, 0.2819



48.5749, 0.3595, 0.2730



52.6631, 0.3884, 0.3247



18.1495, 0.3210, 0.3164



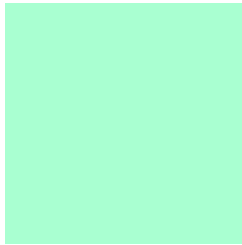
12.0741, 0.4816, 0.2427



1.1977, 0.4582, 0.2298

Previews

White Background



This preview shows how the Yxy color 84.5585, 0.2873, 0.3818 looks on a white background.

Color Contrast Check

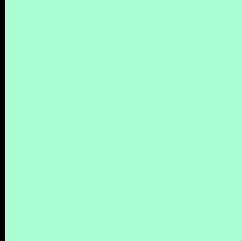
Large Text (above 18pt) WCAG AA × Fail

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 84.5585, 0.2873, 0.3818 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 84.5585, 0.2873, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 84.5585, 0.2873, 0.3818.

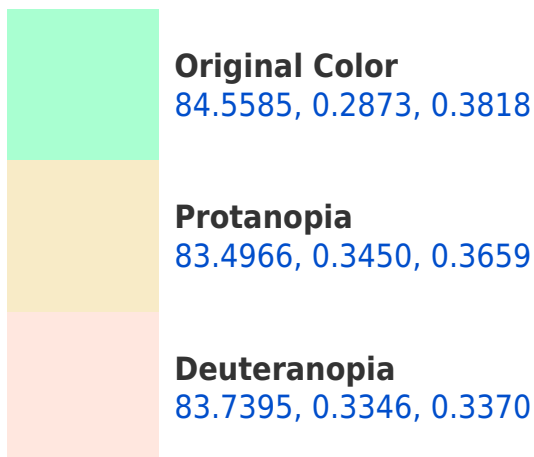


This preview shows how white text looks on a background with the Yxy color 84.5585, 0.2873, 0.3818.

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





Tritanopia

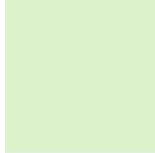
84.3003, 0.2825, 0.3163

Trichromacy



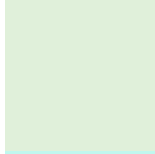
Original Color

84.5585, 0.2873, 0.3818



Protanomaly

82.8761, 0.3212, 0.3711



Deuteranomaly

83.2294, 0.3156, 0.3523



Tritanomaly

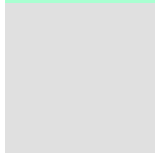
83.9010, 0.2843, 0.3387

Monochromacy



Original Color

84.5585, 0.2873, 0.3818



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3685, 0.3020, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5585, 0.2873, 0.3818 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(169, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 209)  
}
```

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(169, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 84.5585, 0.2873, 0.3818 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(169, 255, 209) }
```

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

```
.border{ border-color:rgb(169, 255, 209) }
```

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

Here you see how a box with a 4 pixel rgb(169, 255, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5585, 0.2873, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 209) }
```

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

```
.background{ background-color: rgb(169,  
255, 209) }
```

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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