

Converting Colors

$Yxy(84.4601, 0.2866, 0.3816)$

Have a look what the booklet for
Yxy(84.4601, 0.2866, 0.3816)
contains.

Yxy(84.4483, 0.2868, 0.3819)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.4483, 0.2868, 0.3819)

Conversions

Conversions Part 1

Format	Color
Hex	A8FFD1
RGB	168, 255, 209
RGB Percent	66%, 100%, 82%
CMY	0.3410, 0.0000, 0.1805
CMYK	0.34, 0.00, 0.18, 0.00
HSL	148°, 100%, 83%
HSV	148°, 34%, 100%
XYZ	63.4191, 84.4483, 73.2593
YIQ	223.7430, -37.0860, -32.7500

Conversions

Conversions Part 2

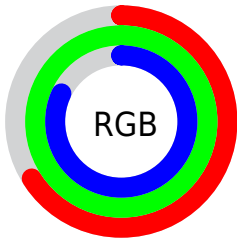
Format	Color
RYB	168, 227, 255
Decimal	11075537
CIELab	93.64, -35.69, 13.79
CIELCh	94, 38.263, 158.875
Yxy	84.4483, 0.2868, 0.3819
Android (android.graphics.Color)	4289265617 (0xFFA8FFD1)
YUV	223.7430, -7.2683, -48.8866
Hunter-Lab	91.8958, -37.6311, 17.0610

Details

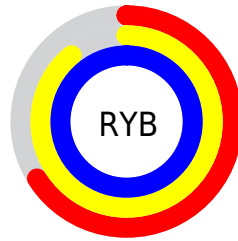
The Yxy color **84.4483, 0.2868, 0.3819** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.1363, 0.3509, 0.2818**, and the grayscale version is **74.4256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **46.2654, 0.2804, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **81.2798, 0.2806, 0.4008**, and if you desaturate by 10%, it is **88.2269, 0.2939, 0.3645**.

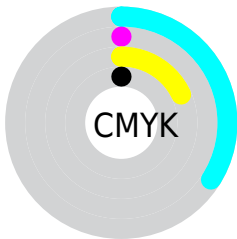
Distribution



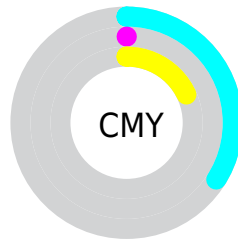
- Red (66%)
- Green (100%)
- Blue (82%)



- 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 84.4483, 0.2868, 0.3819 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 84.4483, 0.2868, 0.3819 by changing the saturation by 10% instead.


 84.4483, 0.2868,
0.3819

 84.4483, 0.2868,
0.3819

509.8007, 0.2989,
0.3571

 63.3856, 0.2840,
0.3876


 139.6021, 0.2910,
0.3732

 46.1532, 0.2805,
0.3947


174.4620, 0.2927,
0.3699

 32.3668, 0.2761,
0.4038


214.6898, 0.2941,
0.3670

 21.6418, 0.2703,
0.4158

260.6699, 0.2953,
0.3645

 13.5939, 0.2623,
0.4322

312.7866, 0.2964,
0.3623

 7.8388, 0.2507,
0.4561

371.4244, 0.2973,

 3.9920, 0.2325,

0.3604

0.4940

436.9677, 0.2982,
0.3587

■ 1.6691, 0.1937,
0.5727

■ 0.4035, 0.0000,
1.0000

■ 84.4483, 0.2868,
0.3819

■ 84.4483, 0.2868,
0.3819

■ 81.2798, 0.2806,
0.4008

■ 88.2269, 0.2939,
0.3645

■ 78.6808, 0.2757,
0.4209

■ 92.6395, 0.3015,
0.3486

■ 76.6166, 0.2724,
0.4418

■ 97.7172, 0.3094,
0.3344

■ 75.0455, 0.2709,
0.4628

100.0000, 0.3127,
0.3290

■ 73.9196, 0.2714,
0.4835

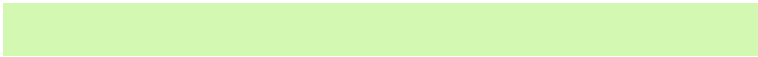
■ 73.1802, 0.2739,
0.5030

■ 72.8769, 0.2761,
0.5139

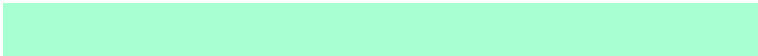
Harmonies

Analogous

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



84.4483, 0.3299, 0.4059



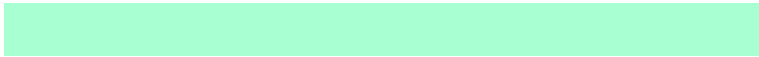
84.4483, 0.2868, 0.3819



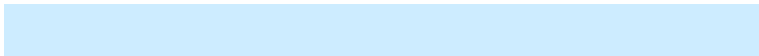
84.4483, 0.2522, 0.3408

Triad

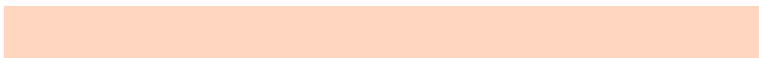
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4483, 0.2868, 0.3819



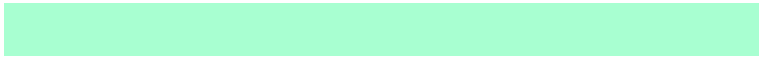
84.4483, 0.2551, 0.2585



84.4483, 0.3984, 0.3489

Complementary

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



84.4483, 0.2868, 0.3819



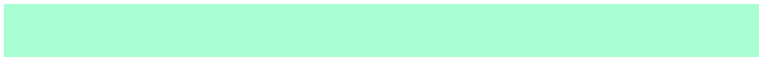
54.1363, 0.3509, 0.2818

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.



84.4483, 0.3756, 0.3137



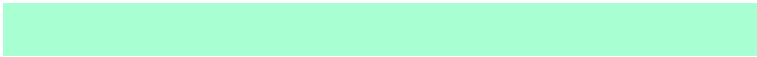
84.4483, 0.2868, 0.3819



84.4483, 0.2909, 0.2637

Square

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



84.4483, 0.2868, 0.3819



84.4483, 0.2351, 0.2703



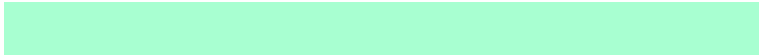
84.4483, 0.3352, 0.2835



84.4483, 0.3959, 0.3821

Rectangle

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



84.4483, 0.2868, 0.3819



84.4483, 0.2380, 0.3122



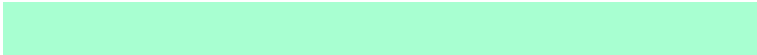
84.4483, 0.3352, 0.2835



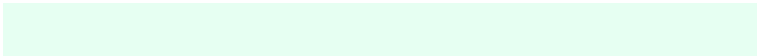
84.4483, 0.3934, 0.3370

Sweetspot

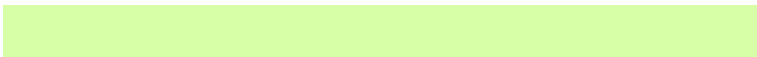
The Sweet Spot groups the original color and five complimentary colors.



84.4507, 0.2868, 0.3819



94.6414, 0.3047, 0.3426



88.7073, 0.3368, 0.4227



20.1077, 0.3036, 0.3446



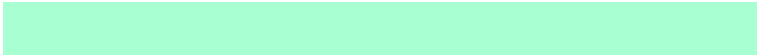
0.0000, 0.0000, 0.0000



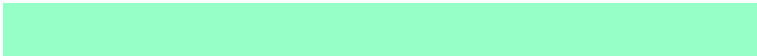
21.4041, 0.3127, 0.3290

Same Dimension

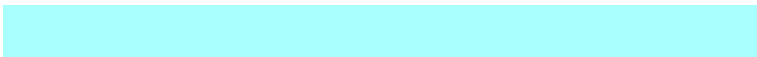
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4507, 0.2868, 0.3819



82.2013, 0.2824, 0.3948



86.8833, 0.2656, 0.3320



20.3105, 0.3051, 0.3419



38.1094, 0.2753, 0.5109



3.7324, 0.2693, 0.4894

Inverse Universe

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



54.1363, 0.3509, 0.2818



47.6624, 0.3617, 0.2722



52.2158, 0.3910, 0.3262



18.1478, 0.3211, 0.3165



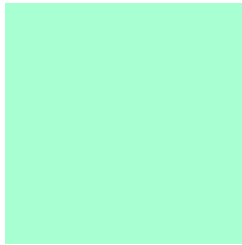
12.0528, 0.4840, 0.2440



1.1956, 0.4603, 0.2309

Previews

White Background



This preview shows how the Yxy color 84.4483, 0.2868, 0.3819 looks on a white background.

Color Contrast Check

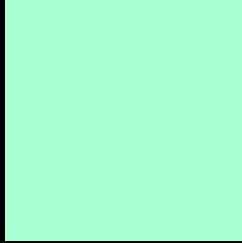
Large Text (above 18pt) WCAG AA × Fail

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 84.4483, 0.2868, 0.3819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

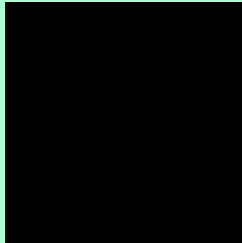
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

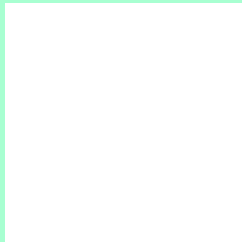
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4483, 0.2868, 0.3819

Background



This preview shows how black text looks on a background with the Yxy color 84.4483, 0.2868, 0.3819.

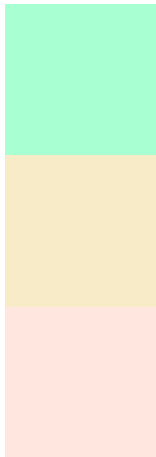


This preview shows how white text looks on a background with the Yxy color 84.4483, 0.2868, 0.3819.

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

84.4483, 0.2868, 0.3819

Protanopia

83.4966, 0.3450, 0.3659

Deuteranopia

83.7395, 0.3346, 0.3370



Tritanopia

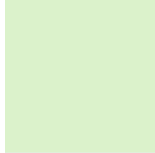
84.3003, 0.2825, 0.3163

Trichromacy



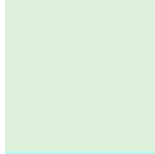
Original Color

84.4483, 0.2868, 0.3819



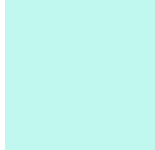
Protanomaly

82.8761, 0.3212, 0.3711



Deuteranomaly

83.0701, 0.3149, 0.3523



Tritanomaly

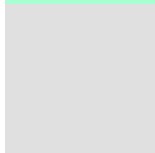
83.9010, 0.2843, 0.3387

Monochromacy



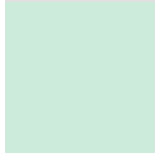
Original Color

84.4483, 0.2868, 0.3819



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 84.4483, 0.2868, 0.3819 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(168, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 84.4483, 0.2868, 0.3819 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(168, 255, 209) }
```

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

```
.border{ border-color:rgb(168, 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(168, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4483, 0.2868, 0.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 209) }
```

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

```
.background{ background-color: rgb(168,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor