

Converting Colors

$Yxy(84.0076, 0.2901, 0.3908)$

Have a look what the booklet for
Yxy(84.0076, 0.2901, 0.3908)
contains.

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Color

Yxy(83.9998, 0.2898, 0.3904)

Conversions

Conversions Part 1

Format	Color
Hex	A7FFCA
RGB	167, 255, 202
RGB Percent	65%, 100%, 79%
CMY	0.3452, 0.0000, 0.2078
CMYK	0.35, 0.00, 0.21, 0.00
HSL	144°, 100%, 83%
HSV	144°, 35%, 100%
XYZ	62.3544, 83.9998, 68.8093
YIQ	222.6460, -35.4350, -35.1390

Conversions

Conversions Part 2

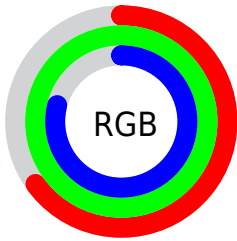
Format	Color
RYB	167, 230, 255
Decimal	11009994
CIELab	93.45, -37.31, 17.08
CIELCh	93, 41.035, 155.406
Yxy	83.9998, 0.2898, 0.3904
Android (android.graphics.Color)	4289200074 (0xFFA7FFCA)
YUV	222.6460, -10.1785, -48.8015
Hunter-Lab	91.6514, -38.9488, 19.6427

Details

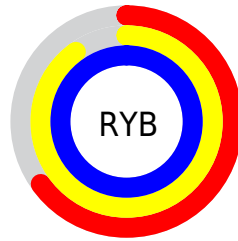
The Yxy color **83.9998, 0.2898, 0.3904** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.0559, 0.3458, 0.2750**, and the grayscale version is **73.6157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **45.9710, 0.2842, 0.4054** is the 20% darker color. If you saturate the color by 10%, you get **80.7982, 0.2844, 0.4122**, and if you desaturate by 10%, it is **87.8178, 0.2960, 0.3703**.

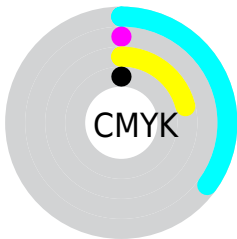
Distribution



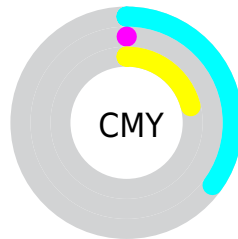
- Red (65%)
- Green (100%)
- Blue (79%)



- Red (65%)
- Yellow (90%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9998, 0.2898, 0.3904 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 83.9998, 0.2898, 0.3904 by changing the saturation by 10% instead.

 83.9998, 0.2898,
0.3904

 83.9998, 0.2898,
0.3904


508.3126, 0.3007,
0.3615

 63.0153, 0.2872,
0.3971


 138.9749, 0.2937,
0.3803

 45.8536, 0.2840,
0.4055


173.7343, 0.2951,
0.3763

 32.1303, 0.2799,
0.4162


213.8540, 0.2964,
0.3730

 21.4610, 0.2743,
0.4303

259.7186, 0.2975,
0.3701

 13.4614, 0.2667,
0.4498

311.7123, 0.2985,
0.3675

 7.7470, 0.2553,
0.4784


370.2196, 0.2993,


 3.9335, 0.2367,


0.3653


0.5237


435.6249, 0.3001,
0.3633

 1.6364, 0.1964,
0.6372


 0.3820, 0.0000,
1.0000

 83.9998, 0.2898,
0.3904


 83.9998, 0.2898,
0.3904

 80.7982, 0.2844,
0.4122


 87.8178, 0.2960,
0.3703

 78.1836, 0.2802,
0.4352

 92.2892, 0.3027,
0.3521

 76.1166, 0.2775,
0.4590

 97.4416, 0.3096,
0.3358

 74.5545, 0.2766,
0.4827

100.0000, 0.3127,
0.3290

■ 73.4479, 0.2775,
0.5054

■ 72.7368, 0.2804,
0.5263

■ 72.4691, 0.2824,
0.5367

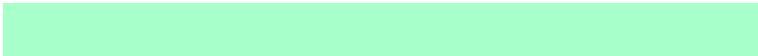
Harmonies

Analogous

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



83.9998, 0.3363, 0.4132



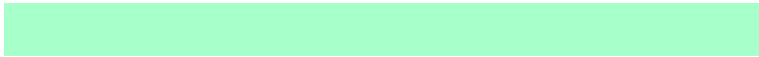
83.9998, 0.2898, 0.3904



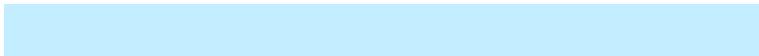
83.9998, 0.2514, 0.3470

Triad

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



83.9998, 0.2898, 0.3904



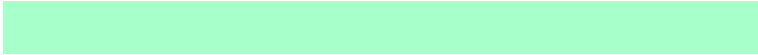
83.9998, 0.2476, 0.2542



83.9998, 0.4033, 0.3455

Complementary

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



83.9998, 0.2898, 0.3904



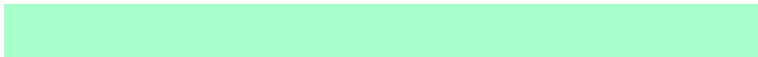
54.0559, 0.3458, 0.2750

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.



83.9998, 0.3760, 0.3084



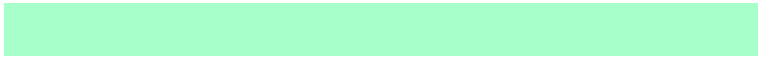
83.9998, 0.2898, 0.3904



83.9998, 0.2840, 0.2579

Square

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



83.9998, 0.2898, 0.3904



83.9998, 0.2286, 0.2687



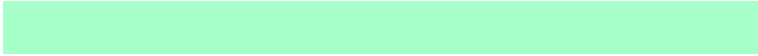
83.9998, 0.3312, 0.2773



83.9998, 0.4037, 0.3817

Rectangle

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



83.9998, 0.2898, 0.3904



83.9998, 0.2348, 0.3158



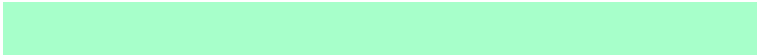
83.9998, 0.3312, 0.2773



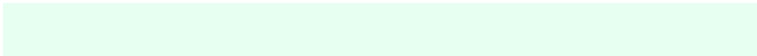
83.9998, 0.3970, 0.3329

Sweetspot

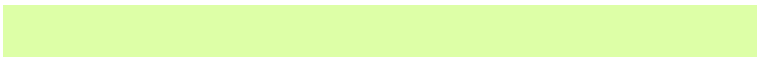
The Sweet Spot groups the original color and five complimentary colors.



83.9981, 0.2898, 0.3904



94.5308, 0.3058, 0.3445



89.7221, 0.3420, 0.4224



20.0810, 0.3048, 0.3468



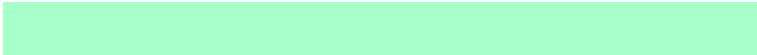
0.0000, 0.0000, 0.0000



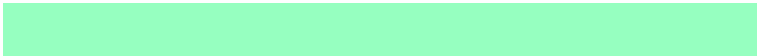
21.4041, 0.3127, 0.3290

Same Dimension

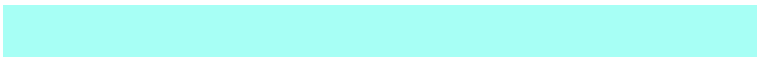
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9981, 0.2898, 0.3904



81.8552, 0.2862, 0.4043



86.3095, 0.2686, 0.3402



20.2879, 0.3061, 0.3437



37.8941, 0.2816, 0.5337



3.7105, 0.2753, 0.5110

Inverse Universe

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



54.0559, 0.3458, 0.2750



48.0406, 0.3543, 0.2648



52.0744, 0.3853, 0.3184



18.1708, 0.3199, 0.3148



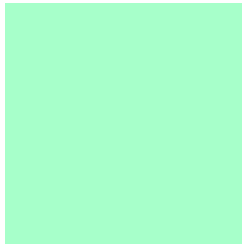
12.3498, 0.4536, 0.2272



1.2240, 0.4343, 0.2166

Previews

White Background



This preview shows how the Yxy color 83.9998, 0.2898, 0.3904 looks on a white background.

Color Contrast Check

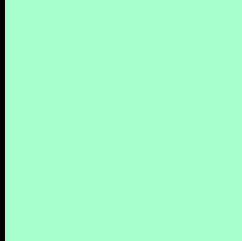
Large Text (above 18pt) WCAG AA × Fail

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 83.9998, 0.2898, 0.3904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

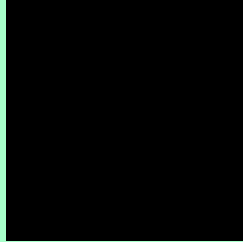
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9998, 0.2898, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 83.9998, 0.2898, 0.3904.



This preview shows how white text looks on a background with the Yxy color 83.9998, 0.2898, 0.3904.

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

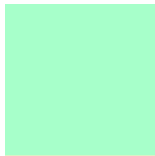




Tritanopia

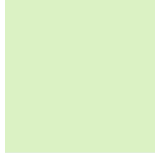
83.4208, 0.2813, 0.3152

Trichromacy



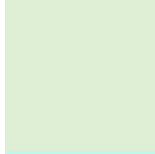
Original Color

83.9998, 0.2898, 0.3904



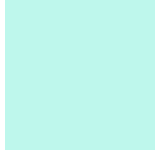
Protanomaly

82.5499, 0.3255, 0.3788



Deuteranomaly

82.2251, 0.3181, 0.3567



Tritanomaly

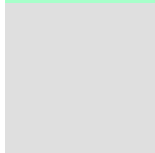
83.5248, 0.2843, 0.3410

Monochromacy



Original Color

83.9998, 0.2898, 0.3904



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0195, 0.3038, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9998, 0.2898, 0.3904 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(167, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 202)  
}
```

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(167, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 202) }
```

Border

The CSS property to change the border of an element to Yxy 83.9998, 0.2898, 0.3904 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(167, 255, 202) }
```

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

```
.border{ border-color:rgb(167, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9998, 0.2898, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 202) }
```

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

```
.background{ background-color: rgb(167,  
255, 202) }
```

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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