

Converting Colors

$Yxy(83.5256, 0.2916, 0.3973)$

Have a look what the booklet for
Yxy(83.5256, 0.2916, 0.3973)
contains.

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Color

Yxy(83.5049, 0.2918, 0.3979)

Conversions

Conversions Part 1

Format	Color
Hex	A5FFC4
RGB	165, 255, 196
RGB Percent	65%, 100%, 77%
CMY	0.3530, 0.0000, 0.2313
CMYK	0.35, 0.00, 0.23, 0.00
HSL	141°, 100%, 82%
HSV	141°, 35%, 100%
XYZ	61.2383, 83.5049, 65.1208
YIQ	221.3640, -34.7010, -37.4290

Conversions

Conversions Part 2

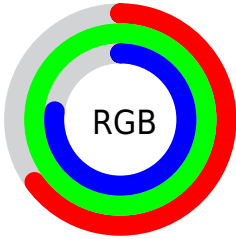
Format	Color
RYB	165, 232, 255
Decimal	10878916
CIELab	93.24, -38.99, 19.83
CIELCh	93, 43.745, 153.044
Yxy	83.5049, 0.2918, 0.3979
Android (android.graphics.Color)	4289068996 (0xFFA5FFC4)
YUV	221.3640, -12.5045, -49.4312
Hunter-Lab	91.3810, -40.2963, 21.7149

Details

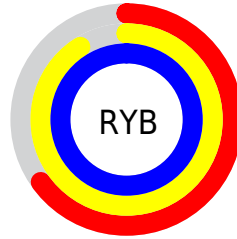
The Yxy color **83.5049, 0.2918, 0.3979** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.5430, 0.3425, 0.2692**, and the grayscale version is **72.6791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1414, 0.2940, 0.3310**, and **45.5924, 0.2860, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **80.3173, 0.2870, 0.4218**, and if you desaturate by 10%, it is **87.3190, 0.2973, 0.3757**.

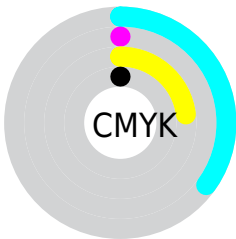
Distribution



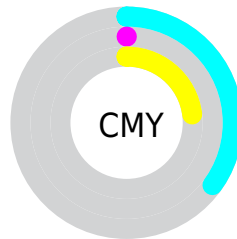
- Red (65%)
- Green (100%)
- Blue (77%)



- Red (65%)
- Yellow (91%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5049, 0.2918, 0.3979 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 83.5049, 0.2918, 0.3979 by changing the saturation by 10% instead.


 83.5049, 0.2918,
0.3979


 83.5049, 0.2918,
0.3979

506.6677, 0.3020,
0.3653

 62.6068, 0.2893,
0.4055


 138.2824, 0.2954,
0.3864

 45.5232, 0.2863,
0.4150


 172.9305, 0.2968,
0.3820

 31.8697, 0.2822,
0.4272


212.9308, 0.2980,
0.3782

 21.2620, 0.2768,
0.4433

258.6676, 0.2990,
0.3749

 13.3156, 0.2692,
0.4656

310.5252, 0.2999,
0.3721

 7.6463, 0.2576,
0.4982

368.8882, 0.3007,

 3.8694, 0.2382,

0.3695

0.5502

434.1409, 0.3014,
0.3673

■ 1.6008, 0.1958,
0.7113

■ 0.3581, 0.0000,
1.0000

■ 83.5049, 0.2918,
0.3979

■ 83.5049, 0.2918,
0.3979

■ 80.3173, 0.2870,
0.4218

■ 87.3190, 0.2973,
0.3757

■ 77.7258, 0.2834,
0.4471

■ 91.7971, 0.3033,
0.3556

■ 75.6899, 0.2812,
0.4728

■ 96.9677, 0.3094,
0.3377

■ 74.1657, 0.2806,
0.4981

100.0000, 0.3127,
0.3290

■ 73.1025, 0.2819,
0.5218

■ 72.4380, 0.2849,
0.5429

■ 72.2230, 0.2866,
0.5517

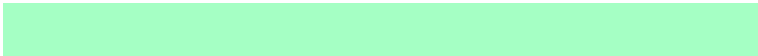
Harmonies

Analogous

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



83.5049, 0.3414, 0.4198



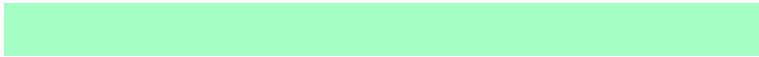
83.5049, 0.2918, 0.3979



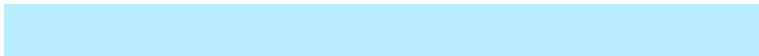
83.5049, 0.2500, 0.3522

Triad

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



83.5049, 0.2918, 0.3979



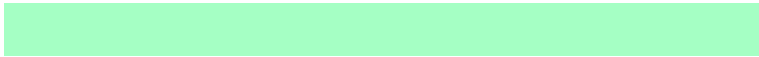
83.5049, 0.2411, 0.2500



83.5049, 0.4082, 0.3430

Complementary

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



83.5049, 0.2918, 0.3979



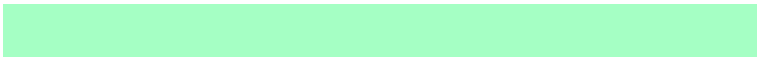
53.5430, 0.3425, 0.2692

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.



83.5049, 0.3771, 0.3040



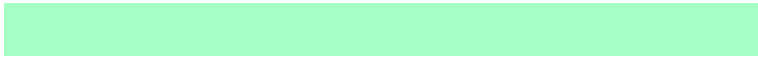
83.5049, 0.2918, 0.3979



83.5049, 0.2784, 0.2526

Square

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



83.5049, 0.2918, 0.3979



83.5049, 0.2228, 0.2667



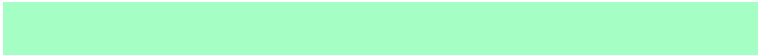
83.5049, 0.3282, 0.2720



83.5049, 0.4108, 0.3819

Rectangle

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



83.5049, 0.2918, 0.3979



83.5049, 0.2315, 0.3184



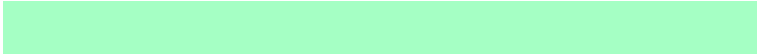
83.5049, 0.3282, 0.2720



83.5049, 0.4007, 0.3296

Sweetspot

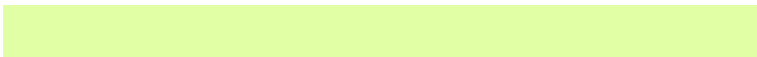
The Sweet Spot groups the original color and five complimentary colors.



83.5032, 0.2918, 0.3979



93.9350, 0.3059, 0.3477



90.2423, 0.3456, 0.4237



19.9587, 0.3051, 0.3501



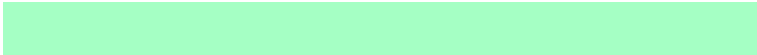
0.0000, 0.0000, 0.0000



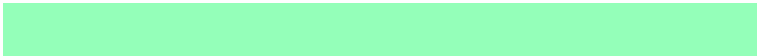
21.4041, 0.3127, 0.3290

Same Dimension

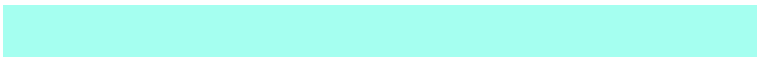
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5032, 0.2918, 0.3979



81.3018, 0.2885, 0.4138



85.8082, 0.2699, 0.3456



20.2715, 0.3068, 0.3450



37.7632, 0.2857, 0.5487



3.6965, 0.2794, 0.5259

Inverse Universe

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



53.5430, 0.3425, 0.2692



47.4746, 0.3502, 0.2579



51.4575, 0.3833, 0.3134



18.1877, 0.3191, 0.3135



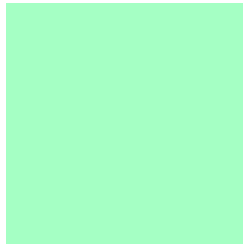
12.5977, 0.4321, 0.2154



1.2472, 0.4161, 0.2066

Previews

White Background



This preview shows how the Yxy color 83.5049, 0.2918, 0.3979 looks on a white background.

Color Contrast Check

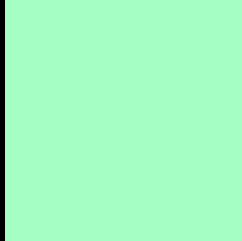
Large Text (above 18pt) WCAG AA × Fail

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 83.5049, 0.2918, 0.3979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

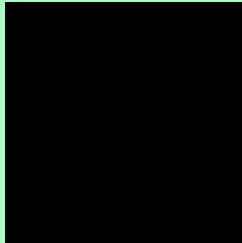
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5049, 0.2918, 0.3979

Background



This preview shows how black text looks on a background with the Yxy color 83.5049, 0.2918, 0.3979.

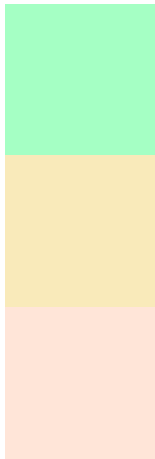


This preview shows how white text looks on a background with the Yxy color 83.5049, 0.2918, 0.3979.

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

83.5049, 0.2918, 0.3979

Protanopia

82.5305, 0.3545, 0.3782

Deuteranopia

82.2565, 0.3396, 0.3421



Tritanopia

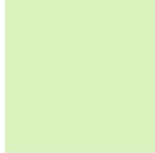
83.1418, 0.2801, 0.3152

Trichromacy



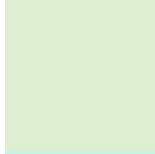
Original Color

83.5049, 0.2918, 0.3979



Protanomaly

82.1274, 0.3285, 0.3856



Deuteranomaly

81.2821, 0.3199, 0.3601



Tritanomaly

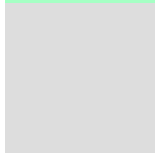
83.1534, 0.2842, 0.3432

Monochromacy



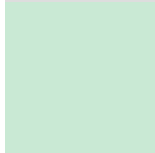
Original Color

83.5049, 0.2918, 0.3979



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4488, 0.3043, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5049, 0.2918, 0.3979 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(165, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 196)  
}
```

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(165, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 196) }
```

Border

The CSS property to change the border of an element to Yxy 83.5049, 0.2918, 0.3979 is called "border". The border property can be set on classes, ids or directly on the HTML element.

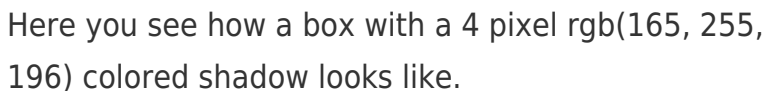
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 255, 196) }
```

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

```
.border{ border-color:rgb(165, 255, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 255, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 255, 196); box-shadow:4px 4px 4px 4px rgb(165, 255, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5049, 0.2918, 0.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 196) }
```

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

```
.background{ background-color: rgb(165,  
255, 196) }
```

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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