

Converting Colors

Yxy(83.9684, 0.2919, 0.3939)

Have a look what the booklet for
Yxy(83.9684, 0.2919, 0.3939)
contains.

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Color

Yxy(83.9684, 0.2919, 0.3939)

Conversions

Conversions Part 1

Format	Color
Hex	A8FFC7
RGB	168, 255, 199
RGB Percent	66%, 100%, 78%
CMY	0.3410, 0.0000, 0.2195
CMYK	0.34, 0.00, 0.22, 0.00
HSL	141°, 100%, 83%
HSV	141°, 34%, 100%
XYZ	62.2249, 83.9684, 66.9786
YIQ	222.6030, -33.8760, -35.8600

Conversions

Conversions Part 2

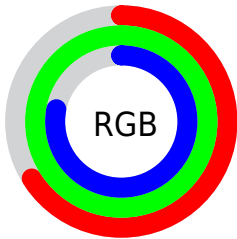
Format	Color
RYB	168, 232, 255
Decimal	11075527
CIELab	93.44, -37.55, 18.59
CIELCh	93, 41.904, 153.664
Yxy	83.9684, 0.2919, 0.3939
Android (android.graphics.Color)	4289265607 (0xFFA8FFC7)
YUV	222.6030, -11.6363, -47.8868
Hunter-Lab	91.6343, -39.1484, 20.8069

Details

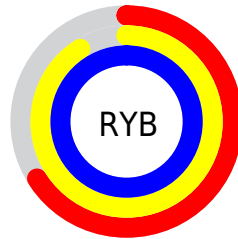
The Yxy color **83.9684, 0.2919, 0.3939** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.6587, 0.3421, 0.2722**, and the grayscale version is **73.6058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **45.9432, 0.2867, 0.4101** is the 20% darker color. If you saturate the color by 10%, you get **80.7197, 0.2869, 0.4172**, and if you desaturate by 10%, it is **87.8551, 0.2976, 0.3724**.

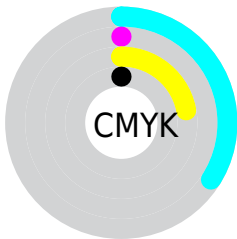
Distribution



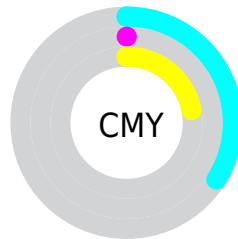
- Red (66%)
- Green (100%)
- Blue (78%)



- Red (66%)
- Yellow (91%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (34%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9684, 0.2919, 0.3939 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 83.9684, 0.2919, 0.3939 by changing the saturation by 10% instead.

 83.9684, 0.2919,
0.3939

 83.9684, 0.2919,
0.3939


508.2083, 0.3020,
0.3633

 62.9893, 0.2895,
0.4010


 138.9310, 0.2955,
0.3832

 45.8326, 0.2865,
0.4099


173.6833, 0.2968,
0.3790

 32.1137, 0.2826,
0.4213


213.7955, 0.2980,
0.3755

 21.4484, 0.2774,
0.4363

259.6519, 0.2990,
0.3724

 13.4522, 0.2700,
0.4570

311.6370, 0.2999,
0.3697

 7.7406, 0.2589,
0.4874


370.1352, 0.3007,


 3.9294, 0.2407,


0.3673

0.5356


435.5308, 0.3014,
0.3652


 1.6342, 0.2028,
0.6667


 0.3805, 0.0000,
1.0000


 83.9684, 0.2919,
0.3939

 83.9684, 0.2919,
0.3939


 80.7197, 0.2869,
0.4172


 87.8551, 0.2976,
0.3724

 78.0636, 0.2830,
0.4418

 92.4013, 0.3038,
0.3529

 75.9654, 0.2805,
0.4672

 97.6405, 0.3101,
0.3355

 74.3822, 0.2797,
0.4922

99.9985, 0.3127,
0.3290

■ 73.2642, 0.2808,
0.5160

■ 72.5515, 0.2835,
0.5373

■ 72.2720, 0.2857,
0.5485

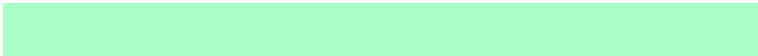
Harmonies

Analogous

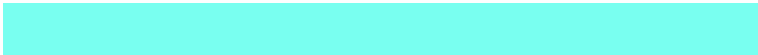
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9684, 0.3394, 0.4155



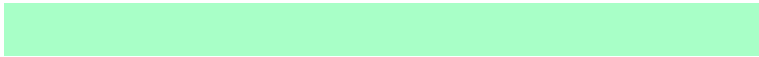
83.9684, 0.2919, 0.3939



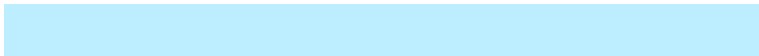
83.9684, 0.2520, 0.3502

Triad

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



83.9684, 0.2919, 0.3939



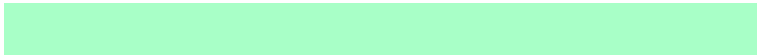
83.9684, 0.2446, 0.2530



83.9684, 0.4044, 0.3435

Complementary

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



83.9684, 0.2919, 0.3939



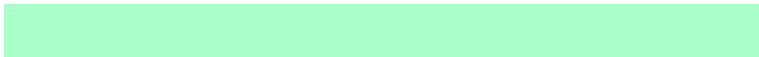
54.6587, 0.3421, 0.2722

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.



83.9684, 0.3751, 0.3059



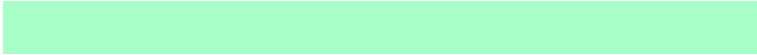
83.9684, 0.2919, 0.3939



83.9684, 0.2809, 0.2558

Square

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



83.9684, 0.2919, 0.3939



83.9684, 0.2265, 0.2689



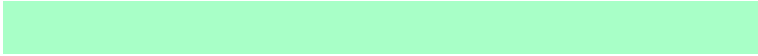
83.9684, 0.3286, 0.2748



83.9684, 0.4063, 0.3807

Rectangle

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



83.9684, 0.2919, 0.3939



83.9684, 0.2344, 0.3181



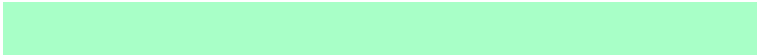
83.9684, 0.3286, 0.2748



83.9684, 0.3973, 0.3306

Sweetspot

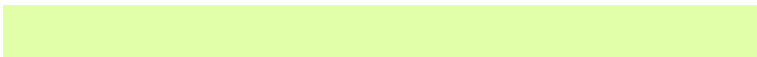
The Sweet Spot groups the original color and five complimentary colors.



83.9719, 0.2919, 0.3939



94.4681, 0.3064, 0.3456



90.2838, 0.3436, 0.4206



20.0659, 0.3055, 0.3480



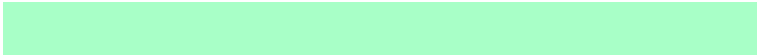
0.0000, 0.0000, 0.0000



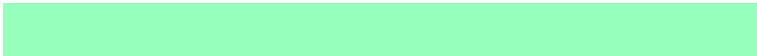
21.4041, 0.3127, 0.3290

Same Dimension

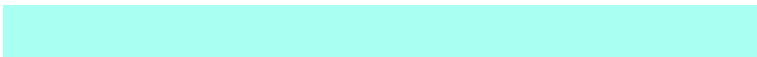
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9719, 0.2919, 0.3939



81.6655, 0.2884, 0.4098



86.2549, 0.2704, 0.3433



20.2751, 0.3067, 0.3447



37.7902, 0.2849, 0.5455



3.6994, 0.2785, 0.5227

Inverse Universe

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



54.6587, 0.3421, 0.2722



48.2646, 0.3502, 0.2607



52.6163, 0.3813, 0.3155



18.1840, 0.3193, 0.3138



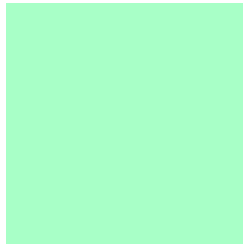
12.5408, 0.4368, 0.2180



1.2419, 0.4200, 0.2088

Previews

White Background



This preview shows how the Yxy color 83.9684, 0.2919, 0.3939 looks on a white background.

Color Contrast Check

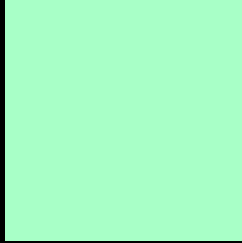
Large Text (above 18pt) WCAG AA × Fail

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 83.9684, 0.2919, 0.3939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

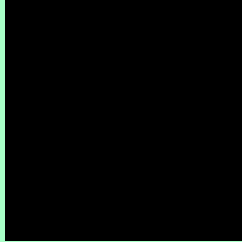
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

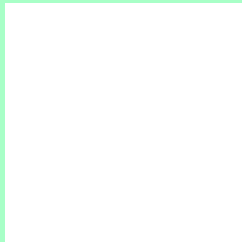
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9684, 0.2919, 0.3939

Background



This preview shows how black text looks on a background with the Yxy color 83.9684, 0.2919, 0.3939.

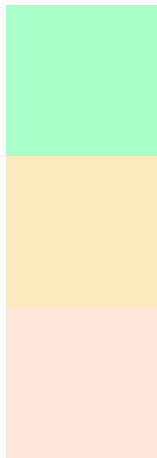


This preview shows how white text looks on a background with the Yxy color 83.9684, 0.2919, 0.3939.

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

83.9684, 0.2919, 0.3939

Protanopia

83.2305, 0.3523, 0.3761

Deuteranopia

82.9156, 0.3381, 0.3411



Tritanopia

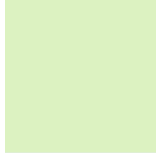
83.4208, 0.2813, 0.3152

Trichromacy



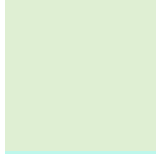
Original Color

83.9684, 0.2919, 0.3939



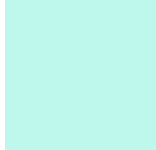
Protanomaly

82.5702, 0.3280, 0.3821



Deuteranomaly

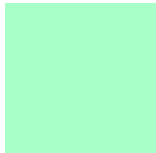
82.1241, 0.3193, 0.3589



Tritanomaly

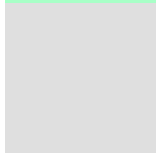
83.4668, 0.2848, 0.3421

Monochromacy



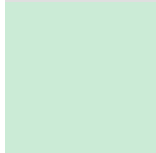
Original Color

83.9684, 0.2919, 0.3939



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.9682, 0.3044, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9684, 0.2919, 0.3939 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 199) }
```

Border

The CSS property to change the border of an element to Yxy 83.9684, 0.2919, 0.3939 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, 199) }
```

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

```
.border{ border-color:rgb(168, 255, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9684, 0.2919, 0.3939 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, 199) }
```

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

```
.background{ background-color: rgb(168,  
255, 199) }
```

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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