

Converting Colors

$Y_{xy}(82.3235, 0.2850, 0.3979)$

Have a look what the booklet for
Yxy(82.3235, 0.2850, 0.3979)
contains.

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Color

Yxy(82.3235, 0.2850, 0.3979)

Conversions

Conversions Part 1

Format	Color
Hex	99FFC5
RGB	153, 255, 197
RGB Percent	60%, 100%, 77%
CMY	0.4003, 0.0000, 0.2274
CMYK	0.40, 0.00, 0.23, 0.00
HSL	146°, 100%, 80%
HSV	146°, 40%, 100%
XYZ	58.9651, 82.3235, 65.6064
YIQ	217.8900, -42.1740, -39.6620

Conversions

Conversions Part 2

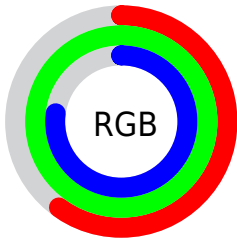
Format	Color
RYB	153, 224, 255
Decimal	10092485
CIELab	92.72, -42.17, 18.52
CIElCh	93, 46.059, 156.292
Yxy	82.3235, 0.2850, 0.3979
Android (android.graphics.Color)	4288282565 (0xFF99FFC5)
YUV	217.8900, -10.2988, -56.9085
Hunter-Lab	90.7323, -42.7780, 20.6414

Details

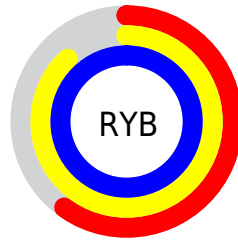
The Yxy color **82.3235, 0.2850, 0.3979** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.7194, 0.3563, 0.2696**, and the grayscale version is **70.1100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5246, 0.2871, 0.3300**, and **44.8581, 0.2778, 0.4157** is the 20% darker color. If you saturate the color by 10%, you get **79.4639, 0.2799, 0.4191**, and if you desaturate by 10%, it is **85.7640, 0.2911, 0.3781**.

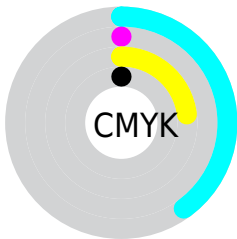
Distribution



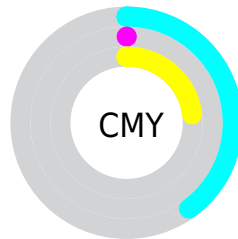
- Red (60%)
- Green (100%)
- Blue (77%)



- Red (60%)
- Yellow (88%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3235, 0.2850, 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 82.3235, 0.2850, 0.3979 by changing the saturation by 10% instead.


 82.3235, 0.2850,
0.3979


 82.3235, 0.2850,
0.3979

502.7291, 0.2983,
0.3652

 61.6322, 0.2819,
0.4056

 136.6276, 0.2897,
0.3864

 44.7356, 0.2779,
0.4152


 171.0091, 0.2915,
0.3819

 31.2492, 0.2728,
0.4275


210.7230, 0.2930,
0.3781

 20.7887, 0.2661,
0.4438

256.1534, 0.2944,
0.3749

 12.9696, 0.2566,
0.4664

307.6848, 0.2955,
0.3720

 7.4076, 0.2425,
0.4998


365.7017, 0.2966,


 3.7183, 0.2195,


0.3694


0.5533


430.5883, 0.2975,
0.3672

 1.5173, 0.1495,
0.7351


 0.3008, 0.0000,
1.0000


 82.3235, 0.2850,
0.3979


 82.3235, 0.2850,
0.3979


 79.4639, 0.2799,
0.4191


 85.7640, 0.2911,
0.3781

 77.1688, 0.2762,
0.4413

 89.8376, 0.2980,
0.3600

 75.3919, 0.2742,
0.4639

 94.5684, 0.3053,
0.3436

 74.0875, 0.2742,
0.4861

99.9844, 0.3127,
0.3290

■ 73.2016, 0.2761,
0.5072

100.0000, 0.3127,
0.3290

■ 72.6481, 0.2796,
0.5264

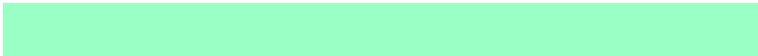
Harmonies

Analogous

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



82.3235, 0.3371, 0.4245



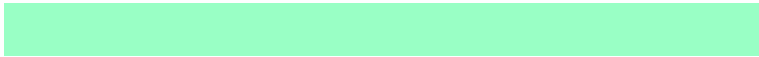
82.3235, 0.2850, 0.3979



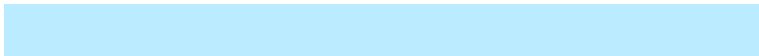
82.3235, 0.2427, 0.3475

Triad

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



82.3235, 0.2850, 0.3979



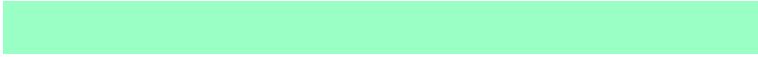
82.3235, 0.2406, 0.2452



82.3235, 0.4157, 0.3479

Complementary

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



82.3235, 0.2850, 0.3979



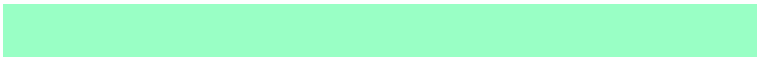
48.7194, 0.3563, 0.2696

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.



82.3235, 0.3856, 0.3067



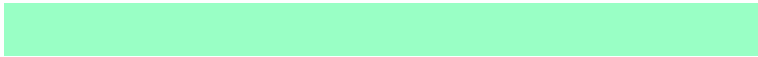
82.3235, 0.2850, 0.3979



82.3235, 0.2816, 0.2501

Square

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



82.3235, 0.2850, 0.3979



82.3235, 0.2191, 0.2602



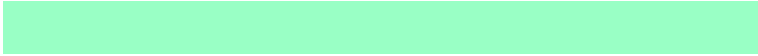
82.3235, 0.3349, 0.2721



82.3235, 0.4147, 0.3884

Rectangle

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



82.3235, 0.2850, 0.3979



82.3235, 0.2249, 0.3120



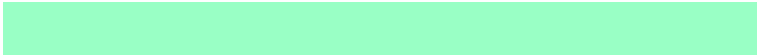
82.3235, 0.3349, 0.2721



82.3235, 0.4088, 0.3339

Sweetspot

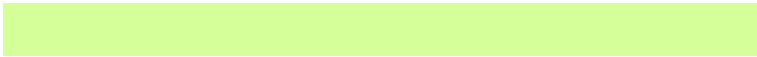
The Sweet Spot groups the original color and five complimentary colors.



82.3170, 0.2850, 0.3979



93.5816, 0.3038, 0.3467



87.8848, 0.3437, 0.4392



19.8936, 0.3028, 0.3488



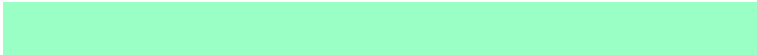
0.0000, 0.0000, 0.0000



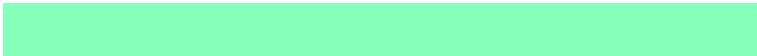
21.4041, 0.3127, 0.3290

Same Dimension

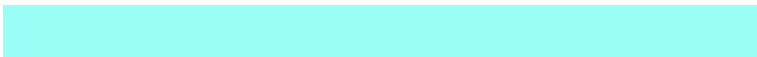
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3170, 0.2850, 0.3979



79.9959, 0.2808, 0.4147



84.9698, 0.2612, 0.3384



20.2984, 0.3056, 0.3428



37.9888, 0.2787, 0.5234



3.7202, 0.2725, 0.5011

Inverse Universe

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



48.7194, 0.3563, 0.2696



42.1971, 0.3688, 0.2583



46.6086, 0.4061, 0.3203



18.1600, 0.3205, 0.3156



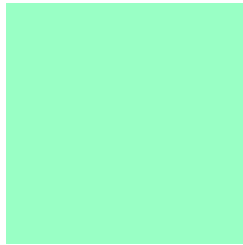
12.2058, 0.4676, 0.2350



1.2104, 0.4462, 0.2232

Previews

White Background



This preview shows how the Yxy color 82.3235, 0.2850, 0.3979 looks on a white background.

Color Contrast Check

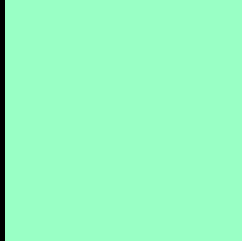
Large Text (above 18pt) WCAG AA × Fail

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 82.3235, 0.2850, 0.3979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

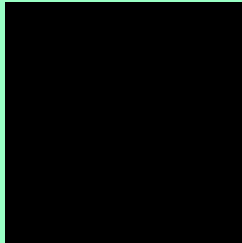
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.3235, 0.2850, 0.3979

Background



This preview shows how black text looks on a background with the Yxy color 82.3235, 0.2850, 0.3979.

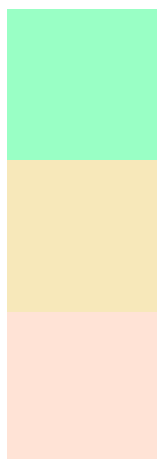


This preview shows how white text looks on a background with the Yxy color 82.3235, 0.2850, 0.3979.

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

82.3235, 0.2850, 0.3979

Protanopia

81.0326, 0.3535, 0.3766

Deuteranopia

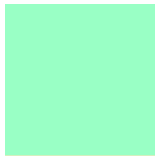
81.0532, 0.3413, 0.3421



Tritanopia

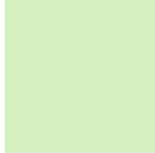
82.0617, 0.2756, 0.3150

Trichromacy



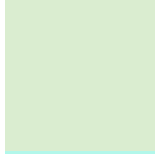
Original Color

82.3235, 0.2850, 0.3979



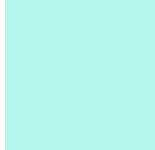
Protanomaly

80.1840, 0.3253, 0.3842



Deuteranomaly

80.0279, 0.3179, 0.3605



Tritanomaly

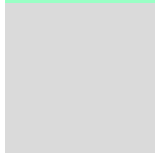
81.9270, 0.2786, 0.3434

Monochromacy



Original Color

82.3235, 0.2850, 0.3979



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.2743, 0.3009, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3235, 0.2850, 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(153, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 197)  
}
```

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(153, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 197) }
```

Border

The CSS property to change the border of an element to Yxy 82.3235, 0.2850, 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(153, 255, 197) }
```

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

```
.border{ border-color:rgb(153, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3235, 0.2850, 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(153, 255, 197) }
```

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

```
.background{ background-color: rgb(153,  
255, 197) }
```

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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