

Converting Colors

$Yxy(83.0324, 0.2823, 0.3870)$

Have a look what the booklet for
Yxy(83.0324, 0.2823, 0.3870)
contains.

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Color

Yxy(83.0442, 0.2821, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	9CFFCE
RGB	156, 255, 206
RGB Percent	61%, 100%, 81%
CMY	0.3881, 0.0000, 0.1923
CMYK	0.39, 0.00, 0.19, 0.00
HSL	150°, 100%, 81%
HSV	150°, 39%, 100%
XYZ	60.6126, 83.0442, 71.2053
YIQ	219.8130, -43.2750, -36.2270

Conversions

Conversions Part 2

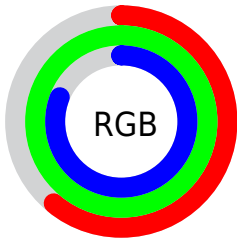
Format	Color
RYB	156, 222, 255
Decimal	10289102
CIELab	93.03, -39.60, 14.39
CIElCh	93, 42.134, 160.030
Yxy	83.0442, 0.2821, 0.3865
Android (android.graphics.Color)	4288479182 (0xFF9CFFCE)
YUV	219.8130, -6.8098, -55.9640
Hunter-Lab	91.1286, -40.7489, 17.4625

Details

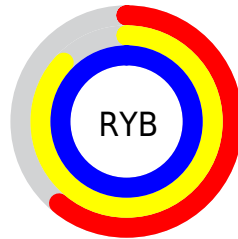
The Yxy color **83.0442, 0.2821, 0.3865** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.4606, 0.3613, 0.2785**, and the grayscale version is **71.5089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **45.3645, 0.2746, 0.4004** is the 20% darker color. If you saturate the color by 10%, you get **80.1736, 0.2761, 0.4047**, and if you desaturate by 10%, it is **86.5024, 0.2892, 0.3696**.

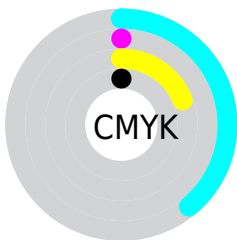
Distribution



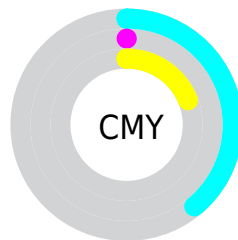
- Red (61%)
- Green (100%)
- Blue (81%)



- Red (61%)
- Yellow (87%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0442, 0.2821, 0.3865 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 83.0442, 0.2821, 0.3865 by changing the saturation by 10% instead.


 83.0442, 0.2821,
0.3865


 83.0442, 0.2821,
0.3865


505.1338, 0.2965,
0.3594

 62.2266, 0.2788,
0.3928


 137.6374, 0.2871,
0.3770

 45.2158, 0.2747,
0.4006


 172.1817, 0.2891,
0.3733

 31.6275, 0.2694,
0.4107


212.0705, 0.2907,
0.3702

 21.0771, 0.2625,
0.4239

257.6880, 0.2922,
0.3675

 13.1804, 0.2530,
0.4422

309.4187, 0.2934,
0.3651

 7.5529, 0.2392,
0.4690

367.6470, 0.2946,

 3.8102, 0.2175,

0.3630

0.5118

432.7572, 0.2956,
0.3611

■ 1.5680, 0.1595,
0.6179

■ 0.3359, 0.0000,
1.0000

■ 83.0442, 0.2821,
0.3865

■ 83.0442, 0.2821,
0.3865

■ 80.1736, 0.2761,
0.4047

■ 86.5024, 0.2892,
0.3696

■ 77.8494, 0.2716,
0.4238


■ 90.5737, 0.2970,
0.3541


■ 76.0350, 0.2689,
0.4435

■ 95.2897, 0.3052,
0.3401

■ 74.6864, 0.2681,
0.4631

100.0000, 0.3127,
0.3290

 73.7515, 0.2694,
0.4823

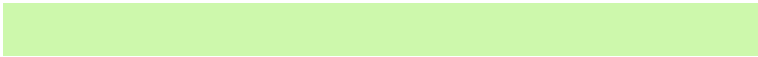
 73.1557, 0.2725,
0.5004

 73.0959, 0.2729,
0.5025

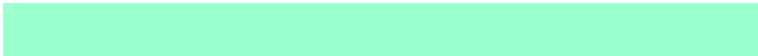
Harmonies

Analogous

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



83.0442, 0.3294, 0.4142



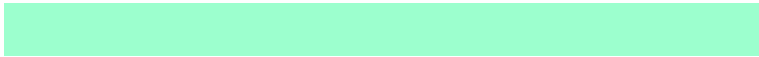
83.0442, 0.2821, 0.3865



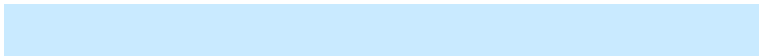
83.0442, 0.2449, 0.3399

Triad

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



83.0442, 0.2821, 0.3865



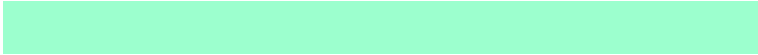
83.0442, 0.2504, 0.2515



83.0442, 0.4081, 0.3518

Complementary

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



83.0442, 0.2821, 0.3865



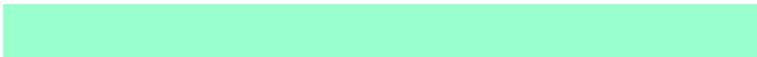
49.4606, 0.3613, 0.2785

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.



83.0442, 0.3839, 0.3134



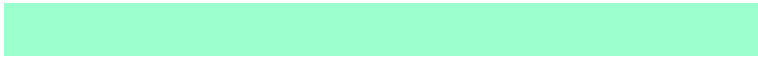
83.0442, 0.2821, 0.3865



83.0442, 0.2902, 0.2580

Square

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



83.0442, 0.2821, 0.3865



83.0442, 0.2280, 0.2633



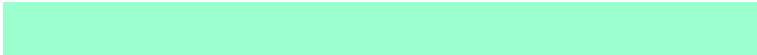
83.0442, 0.3394, 0.2801



83.0442, 0.4039, 0.3882

Rectangle

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



83.0442, 0.2821, 0.3865



83.0442, 0.2299, 0.3083



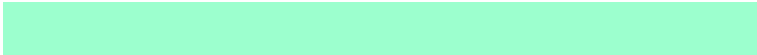
83.0442, 0.3394, 0.2801



83.0442, 0.4030, 0.3388

Sweetspot

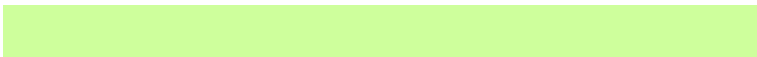
The Sweet Spot groups the original color and five complimentary colors.



83.0463, 0.2821, 0.3865



93.7130, 0.3026, 0.3444



86.9746, 0.3375, 0.4375



19.9245, 0.3015, 0.3462



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.



83.0463, 0.2821, 0.3865



80.6515, 0.2771, 0.4013



85.8116, 0.2588, 0.3288



20.3211, 0.3047, 0.3410



38.2244, 0.2721, 0.4996



3.7438, 0.2664, 0.4789

Inverse Universe

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



49.4606, 0.3613, 0.2785



42.5488, 0.3763, 0.2681



47.4510, 0.4104, 0.3293



18.1372, 0.3216, 0.3173



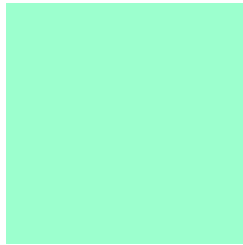
11.9306, 0.4984, 0.2519



1.1837, 0.4727, 0.2378

Previews

White Background



This preview shows how the Yxy color 83.0442, 0.2821, 0.3865 looks on a white background.

Color Contrast Check

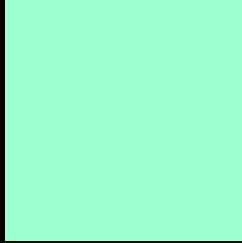
Large Text (above 18pt) WCAG AA × Fail

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 83.0442, 0.2821, 0.3865 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 83.0442, 0.2821, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 83.0442, 0.2821, 0.3865.

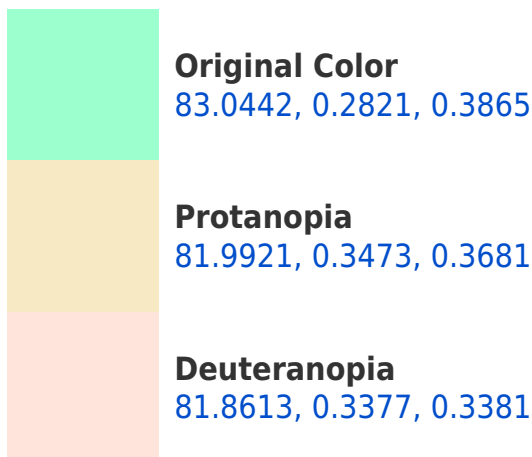


This preview shows how white text looks on a background with the Yxy color 83.0442, 0.2821, 0.3865.

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

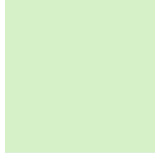
82.5946, 0.2778, 0.3151

Trichromacy



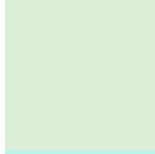
Original Color

83.0442, 0.2821, 0.3865



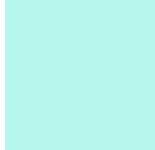
Protanomaly

81.3303, 0.3204, 0.3750



Deuteranomaly

81.0642, 0.3148, 0.3548



Tritanomaly

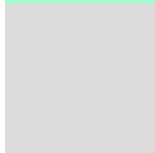
82.5810, 0.2793, 0.3400

Monochromacy



Original Color

83.0442, 0.2821, 0.3865



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.0544, 0.2999, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0442, 0.2821, 0.3865 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(156, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 206)  
}
```

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(156, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 83.0442, 0.2821, 0.3865 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(156, 255, 206) }
```

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

```
.border{ border-color:rgb(156, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0442, 0.2821, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 206) }
```

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

```
.background{ background-color: rgb(156,  
255, 206) }
```

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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