

Converting Colors

$Yxy(95.0382, 0.2832, 0.4026)$

Have a look what the booklet for
Yxy(95.0382, 0.2832, 0.4026)
contains.

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Color

Yxy(83.1931, 0.2821, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	9DFFCF
RGB	157, 255, 207
RGB Percent	62%, 100%, 81%
CMY	0.3842, 0.0000, 0.1884
CMYK	0.38, 0.00, 0.19, 0.00
HSL	151°, 100%, 81%
HSV	151°, 38%, 100%
XYZ	60.9262, 83.1931, 71.8545
YIQ	220.2260, -43.0000, -35.7040

Conversions

Conversions Part 2

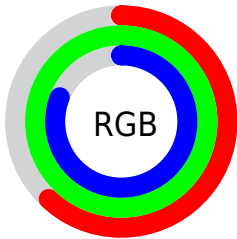
Format	Color
RYB	157, 222, 255
Decimal	10354639
CIELab	93.10, -39.14, 13.98
CIELCh	93, 41.561, 160.349
Yxy	83.1931, 0.2821, 0.3852
Android (android.graphics.Color)	4288544719 (0xFF9DFFCF)
YUV	220.2260, -6.5204, -55.4492
Hunter-Lab	91.2103, -40.3843, 17.1391

Details

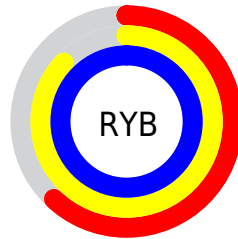
The Yxy color **83.1931, 0.2821, 0.3852** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.7916, 0.3611, 0.2795**, and the grayscale version is **71.8063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **45.4548, 0.2746, 0.3986** is the 20% darker color. If you saturate the color by 10%, you get **80.3029, 0.2760, 0.4031**, and if you desaturate by 10%, it is **86.6677, 0.2892, 0.3685**.

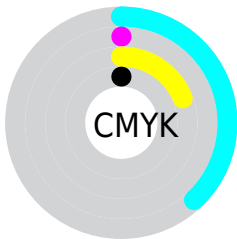
Distribution



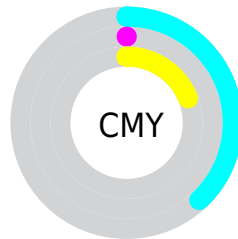
- Red (62%)
- Green (100%)
- Blue (81%)



- Red (62%)
- Yellow (87%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1931, 0.2821, 0.3852 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 83.1931, 0.2821, 0.3852 by changing the saturation by 10% instead.


 83.1931, 0.2821,
0.3852

 83.1931, 0.2821,
0.3852


505.6298, 0.2964,
0.3588

 62.3495, 0.2788,
0.3913


 137.8459, 0.2871,
0.3759

 45.3151, 0.2747,
0.3990


 172.4238, 0.2890,
0.3724

 31.7057, 0.2695,
0.4088


212.3486, 0.2907,
0.3693

 21.1368, 0.2626,
0.4216

258.0047, 0.2921,
0.3666

 13.2241, 0.2532,
0.4394

309.7765, 0.2934,
0.3643

 7.5830, 0.2396,
0.4655

368.0484, 0.2945,

 3.8293, 0.2181,

0.3622

0.5070

433.2047, 0.2955,
0.3604

■ 1.5785, 0.1624,
0.6064

■ 0.3431, 0.0000,
1.0000

■ 83.1931, 0.2821,
0.3852

■ 83.1931, 0.2821,
0.3852

■ 80.3029, 0.2760,
0.4031

■ 86.6677, 0.2892,
0.3685

■ 77.9613, 0.2714,
0.4220

■ 90.7574, 0.2971,
0.3533

■ 76.1301, 0.2686,
0.4414

■ 95.4917, 0.3055,
0.3395

■ 74.7657, 0.2677,
0.4609

100.0000, 0.3127,
0.3290

■ 73.8165, 0.2689,
0.4799

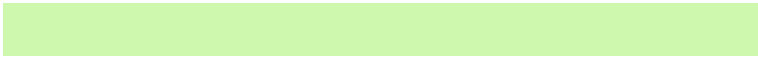
■ 73.2107, 0.2719,
0.4980

■ 73.1313, 0.2724,
0.5007

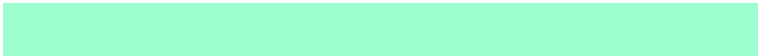
Harmonies

Analogous

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



83.1931, 0.3288, 0.4128



83.1931, 0.2821, 0.3852



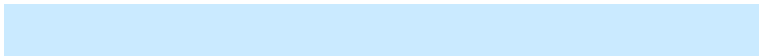
83.1931, 0.2455, 0.3393

Triad

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



83.1931, 0.2821, 0.3852



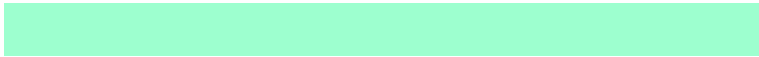
83.1931, 0.2516, 0.2525



83.1931, 0.4068, 0.3520

Complementary

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



83.1931, 0.2821, 0.3852



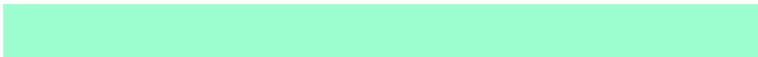
49.7916, 0.3611, 0.2795

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.



83.1931, 0.3832, 0.3140



83.1931, 0.2821, 0.3852



83.1931, 0.2910, 0.2591

Square

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



83.1931, 0.2821, 0.3852



83.1931, 0.2292, 0.2640



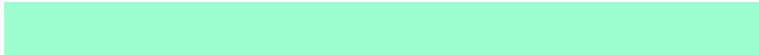
83.1931, 0.3395, 0.2810



83.1931, 0.4025, 0.3878

Rectangle

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



83.1931, 0.2821, 0.3852



83.1931, 0.2309, 0.3082



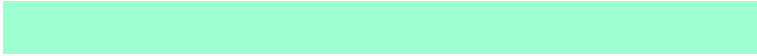
83.1931, 0.3395, 0.2810



83.1931, 0.4019, 0.3392

Sweetspot

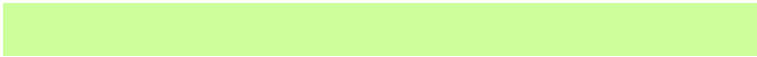
The Sweet Spot groups the original color and five complimentary colors.



83.1935, 0.2821, 0.3852



93.7224, 0.3025, 0.3442



87.0784, 0.3373, 0.4364



19.9267, 0.3014, 0.3460



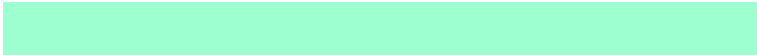
0.0000, 0.0000, 0.0000



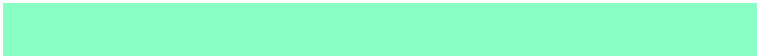
21.4041, 0.3127, 0.3290

Same Dimension

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



83.1935, 0.2821, 0.3852



80.9516, 0.2774, 0.3987



85.9102, 0.2592, 0.3288



20.3227, 0.3046, 0.3409



38.2429, 0.2716, 0.4978



3.7457, 0.2659, 0.4773

Inverse Universe

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



49.7916, 0.3611, 0.2795



43.3005, 0.3751, 0.2700



47.8162, 0.4090, 0.3293



18.1355, 0.3217, 0.3174



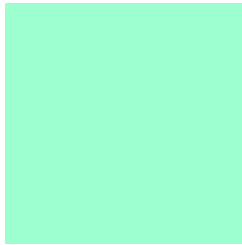
11.9127, 0.5006, 0.2531



1.1819, 0.4746, 0.2388

Previews

White Background



This preview shows how the Yxy color 83.1931, 0.2821, 0.3852 looks on a white background.

Color Contrast Check

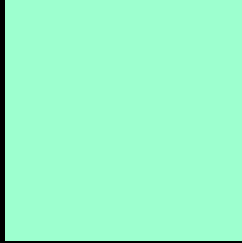
Large Text (above 18pt) WCAG AA × Fail

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 83.1931, 0.2821, 0.3852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

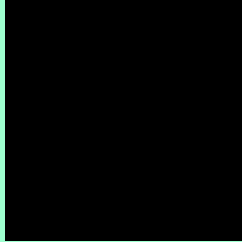
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1931, 0.2821, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 83.1931, 0.2821, 0.3852.

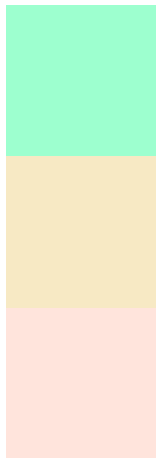


This preview shows how white text looks on a background with the Yxy color 83.1931, 0.2821, 0.3852.

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

83.1931, 0.2821, 0.3852

Protanopia

82.0375, 0.3466, 0.3671

Deuteranopia

81.9141, 0.3370, 0.3371



Tritanopia

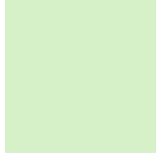
82.5946, 0.2778, 0.3151

Trichromacy



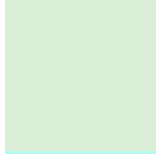
Original Color

83.1931, 0.2821, 0.3852



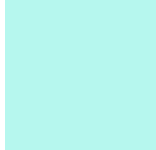
Protanomaly

81.3769, 0.3198, 0.3739



Deuteranomaly

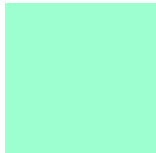
81.1154, 0.3142, 0.3537



Tritanomaly

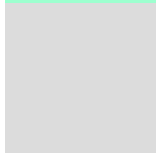
82.6397, 0.2788, 0.3389

Monochromacy



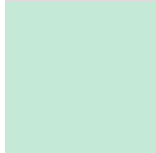
Original Color

83.1931, 0.2821, 0.3852



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 83.1931, 0.2821, 0.3852 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(157, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 207)  
}
```

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(157, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 207) }
```

Border

The CSS property to change the border of an element to Yxy 83.1931, 0.2821, 0.3852 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(157, 255, 207) }
```

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

```
.border{ border-color:rgb(157, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 255, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 255, 207); box-shadow:4px 4px 4px 4px rgb(157, 255, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1931, 0.2821, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 207) }
```

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

```
.background{ background-color: rgb(157,  
255, 207) }
```

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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