

Converting Colors

$Yxy(83.2662, 0.2828, 0.3857)$

Have a look what the booklet for
Yxy(83.2662, 0.2828, 0.3857)
contains.

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Color

Yxy(83.2941, 0.2826, 0.3851)

Conversions

Conversions Part 1

Format	Color
Hex	9EFFCF
RGB	158, 255, 207
RGB Percent	62%, 100%, 81%
CMY	0.3803, 0.0000, 0.1883
CMYK	0.38, 0.00, 0.19, 0.00
HSL	150°, 100%, 81%
HSV	150°, 38%, 100%
XYZ	61.1242, 83.2941, 71.8739
YIQ	220.5250, -42.4040, -35.4920

Conversions

Conversions Part 2

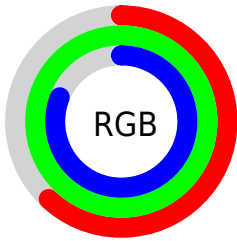
Format	Color
RYB	158, 222, 255
Decimal	10420175
CIELab	93.14, -38.86, 14.04
CIELCh	93, 41.321, 160.141
Yxy	83.2941, 0.2826, 0.3851
Android (android.graphics.Color)	4288610255 (0xFF9EFFCF)
YUV	220.5250, -6.6678, -54.8344
Hunter-Lab	91.2656, -40.1663, 17.1936

Details

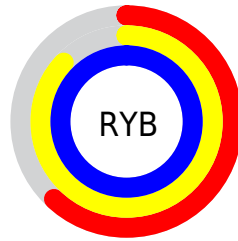
The Yxy color **83.2941, 0.2826, 0.3851** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.1803, 0.3600, 0.2796**, and the grayscale version is **72.0291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **45.5129, 0.2752, 0.3985** is the 20% darker color. If you saturate the color by 10%, you get **80.3789, 0.2765, 0.4032**, and if you desaturate by 10%, it is **86.7982, 0.2897, 0.3683**.

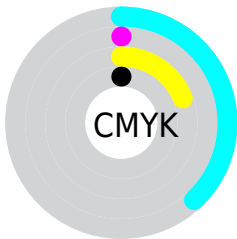
Distribution



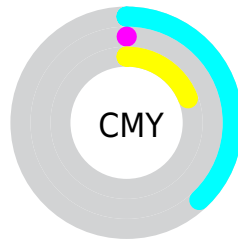
- Red (62%)
- Green (100%)
- Blue (81%)



- 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 83.2941, 0.2826, 0.3851 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 83.2941, 0.2826, 0.3851 by changing the saturation by 10% instead.


 83.2941, 0.2826,
0.3851


 83.2941, 0.2826,
0.3851


505.9662, 0.2967,
0.3587

 62.4328, 0.2793,
0.3912

 137.9873, 0.2875,
0.3759

 45.3825, 0.2753,
0.3989

 172.5880, 0.2894,
0.3723

 31.7588, 0.2702,
0.4086


212.5372, 0.2911,
0.3692

 21.1773, 0.2634,
0.4215

258.2195, 0.2925,
0.3666

 13.2537, 0.2541,
0.4392

310.0191, 0.2937,
0.3642

 7.6035, 0.2407,
0.4652

368.3205, 0.2948,

 3.8423, 0.2195,

0.3622

0.5065

433.5081, 0.2958,
0.3603

■ 1.5857, 0.1656,
0.6046

■ 0.3480, 0.0000,
1.0000

■ 83.2941, 0.2826,
0.3851

■ 83.2941, 0.2826,
0.3851

■ 80.3789, 0.2765,
0.4032

■ 86.7982, 0.2897,
0.3683

■ 78.0135, 0.2719,
0.4222

■ 90.9184, 0.2976,
0.3529

■ 76.1610, 0.2690,
0.4418

■ 95.6854, 0.3059,
0.3391

■ 74.7779, 0.2681,
0.4615

100.0000, 0.3127,
0.3290

■ 73.8129, 0.2692,
0.4807

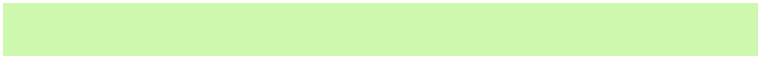
■ 73.1971, 0.2722,
0.4989

■ 73.0979, 0.2729,
0.5024

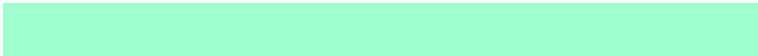
Harmonies

Analogous

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



83.2941, 0.3290, 0.4123



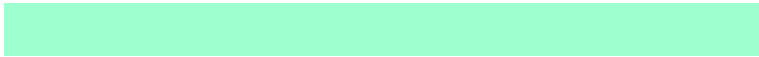
83.2941, 0.2826, 0.3851



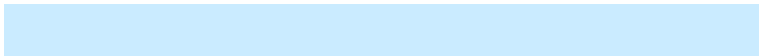
83.2941, 0.2461, 0.3396

Triad

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



83.2941, 0.2826, 0.3851



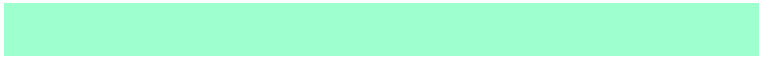
83.2941, 0.2517, 0.2529



83.2941, 0.4062, 0.3516

Complementary

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



83.2941, 0.2826, 0.3851



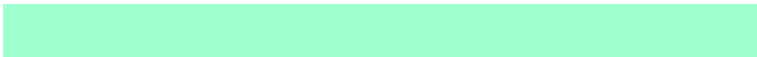
50.1803, 0.3600, 0.2796

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.



83.2941, 0.3826, 0.3138



83.2941, 0.2826, 0.3851



83.2941, 0.2908, 0.2594

Square

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



83.2941, 0.2826, 0.3851



83.2941, 0.2296, 0.2645



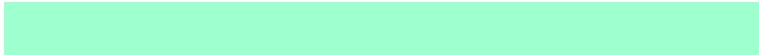
83.2941, 0.3390, 0.2811



83.2941, 0.4020, 0.3873

Rectangle

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



83.2941, 0.2826, 0.3851



83.2941, 0.2314, 0.3086



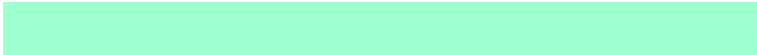
83.2941, 0.3390, 0.2811



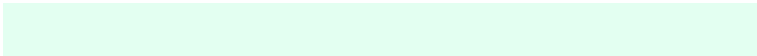
83.2941, 0.4012, 0.3389

Sweetspot

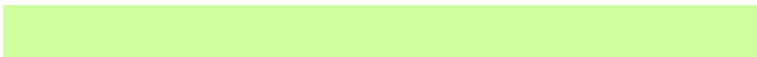
The Sweet Spot groups the original color and five complimentary colors.



83.2956, 0.2826, 0.3851



94.2003, 0.3034, 0.3430



87.1847, 0.3371, 0.4352



20.0218, 0.3023, 0.3449



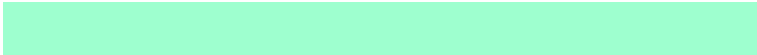
0.0000, 0.0000, 0.0000



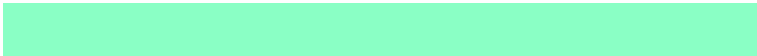
21.4041, 0.3127, 0.3290

Same Dimension

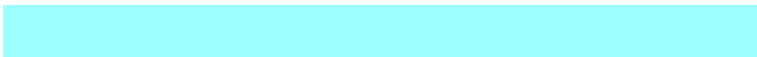
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2956, 0.2826, 0.3851



80.9252, 0.2777, 0.3994



86.0115, 0.2597, 0.3288



20.3212, 0.3047, 0.3410



38.2254, 0.2721, 0.4995



3.7439, 0.2663, 0.4788

Inverse Universe

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



50.1803, 0.3600, 0.2796



43.3266, 0.3744, 0.2694



48.1914, 0.4075, 0.3293



18.1371, 0.3216, 0.3173



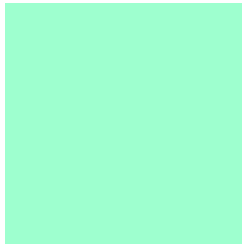
11.9296, 0.4985, 0.2520



1.1836, 0.4728, 0.2378

Previews

White Background



This preview shows how the Yxy color 83.2941, 0.2826, 0.3851 looks on a white background.

Color Contrast Check

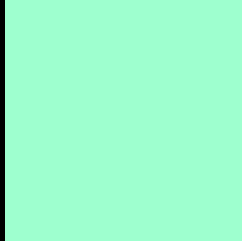
Large Text (above 18pt) WCAG AA × Fail

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 83.2941, 0.2826, 0.3851 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

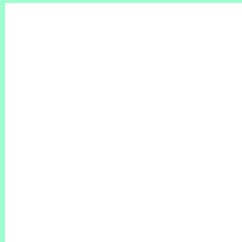
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2941, 0.2826, 0.3851

Background



This preview shows how black text looks on a background with the Yxy color 83.2941, 0.2826, 0.3851.

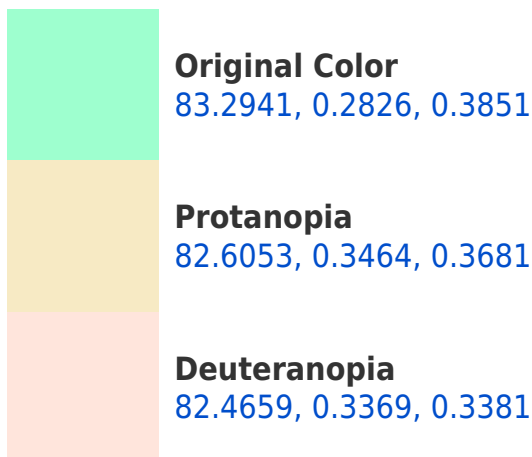


This preview shows how white text looks on a background with the Yxy color 83.2941, 0.2826, 0.3851.

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

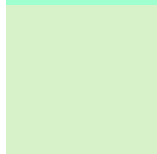
82.7300, 0.2784, 0.3151

Trichromacy



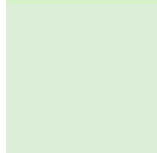
Original Color

83.2941, 0.2826, 0.3851



Protanomaly

82.1215, 0.3204, 0.3748



Deuteranomaly

81.2710, 0.3149, 0.3537



Tritanomaly

82.7619, 0.2793, 0.3388

Monochromacy



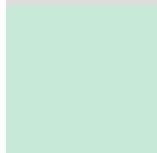
Original Color

83.2941, 0.2826, 0.3851



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.2415, 0.2999, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2941, 0.2826, 0.3851 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(158, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 207) }
```

Border

The CSS property to change the border of an element to Yxy 83.2941, 0.2826, 0.3851 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(158, 255, 207) }
```

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

```
.border{ border-color:rgb(158, 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(158, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2941, 0.2826, 0.3851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 207) }
```

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

```
.background{ background-color: rgb(158,  
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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