

# Converting Colors

$Yxy(82.8187, 0.2799, 0.3849)$

Have a look what the booklet for  
Yxy(82.8187, 0.2799, 0.3849)  
contains.

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# Color

**Yxy(82.7973, 0.2801, 0.3855)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFCF
RGB	153, 255, 207
RGB Percent	60%, 100%, 81%
CMY	0.3999, 0.0000, 0.1884
CMYK	0.40, 0.00, 0.19, 0.00
HSL	152°, 100%, 80%
HSV	152°, 40%, 100%
XYZ	60.1596, 82.7973, 71.8221
YIQ	219.0300, -45.3840, -36.5520

# Conversions

## Conversions Part 2

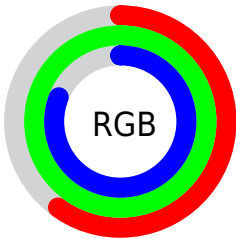
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 220, 255
Decimal	10092495
CIELab	92.93, -40.21, 13.70
CIElCh	93, 42.480, 161.180
Yxy	82.7973, 0.2801, 0.3855
Android (android.graphics.Color)	4288282575 (0xFF99FFCF)
YUV	219.0300, -5.9308, -57.9083
Hunter-Lab	90.9930, -41.2234, 16.8967

# Details

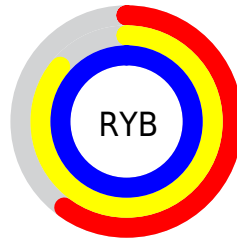
The Yxy color **82.7973, 0.2801, 0.3855** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.2707, 0.3658, 0.2794**, and the grayscale version is **70.9285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.1749, 0.2719, 0.3992** is the 20% darker color. If you saturate the color by 10%, you get **80.0109, 0.2741, 0.4028**, and if you desaturate by 10%, it is **86.1608, 0.2873, 0.3693**.

# Distribution



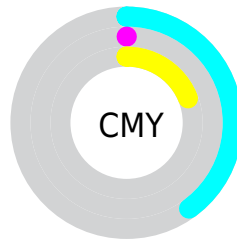
- Red (60%)
- Green (100%)
- Blue (81%)



- Red (60%)
- Yellow (86%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7973, 0.2801, 0.3855 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 82.7973, 0.2801, 0.3855 by changing the saturation by 10% instead.





 82.7973, 0.2801,  
0.3855


 82.7973, 0.2801,  
0.3855

504.3107, 0.2953,  
0.3589

 62.0229, 0.2766,  
0.3917

 137.2915, 0.2854,  
0.3762

 45.0512, 0.2722,  
0.3994


 171.7802, 0.2875,  
0.3726

 31.4978, 0.2667,  
0.4092


211.6091, 0.2892,  
0.3695

 20.9782, 0.2594,  
0.4222

257.1626, 0.2908,  
0.3668

 13.1081, 0.2495,  
0.4402

308.8251, 0.2921,  
0.3645

 7.5030, 0.2351,  
0.4665

366.9810, 0.2933,

 3.7786, 0.2125,

0.3624

0.5085

432.0148, 0.2944,  
0.3605

■ 1.5505, 0.1497,  
0.6131

■ 0.3239, 0.0000,  
1.0000

■ 82.7973, 0.2801,  
0.3855

■ 82.7973, 0.2801,  
0.3855

■ 80.0109, 0.2741,  
0.4028

■ 86.1608, 0.2873,  
0.3693

■ 77.7631, 0.2695,  
0.4210

■ 90.1301, 0.2953,  
0.3545

■ 76.0161, 0.2668,  
0.4397

■ 94.7359, 0.3039,  
0.3410

■ 74.7252, 0.2661,  
0.4584

100.0000, 0.3127,  
0.3290

■ 73.8375, 0.2675,  
0.4766

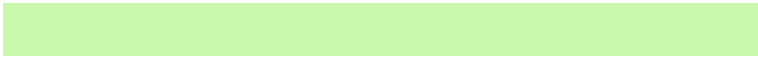
■ 73.2669, 0.2706,  
0.4940

■ 73.2663, 0.2706,  
0.4940

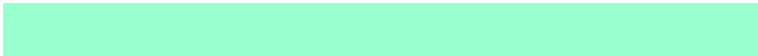
# Harmonies

## Analogous

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



82.7973, 0.3277, 0.4145



82.7973, 0.2801, 0.3855



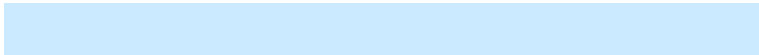
82.7973, 0.2432, 0.3381

# Triad

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



82.7973, 0.2801, 0.3855



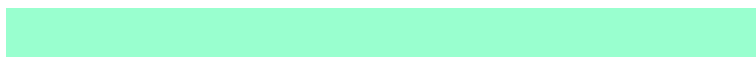
82.7973, 0.2511, 0.2508



82.7973, 0.4093, 0.3534

# Complementary

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



82.7973, 0.2801, 0.3855



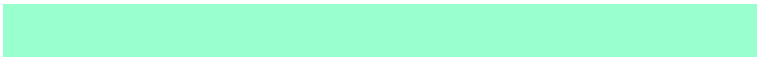
48.2707, 0.3658, 0.2794

# 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.



82.7973, 0.3859, 0.3146



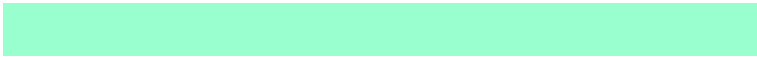
82.7973, 0.2801, 0.3855



82.7973, 0.2917, 0.2580

# Square

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



82.7973, 0.2801, 0.3855



82.7973, 0.2278, 0.2619



82.7973, 0.3415, 0.2808

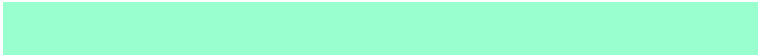


82.7973, 0.4040, 0.3899



# Rectangle

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



82.7973, 0.2801, 0.3855



82.7973, 0.2287, 0.3063



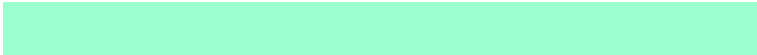
82.7973, 0.3415, 0.2808



82.7973, 0.4046, 0.3404

# Sweetspot

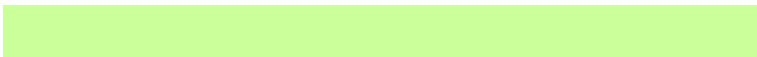
The Sweet Spot groups the original color and five complimentary colors.



82.7984, 0.2801, 0.3855



93.7575, 0.3021, 0.3436



86.4211, 0.3370, 0.4415



19.9349, 0.3010, 0.3453



0.0000, 0.0000, 0.0000

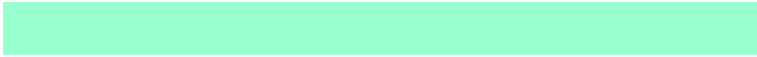


21.4041, 0.3127, 0.3290



# Same Dimension

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



82.7984, 0.2801, 0.3855



80.5213, 0.2752, 0.3993



84.4353, 0.2572, 0.3269



20.3288, 0.3043, 0.3404



38.3137, 0.2698, 0.4912



3.7526, 0.2642, 0.4713



# Inverse Universe

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



48.2707, 0.3658, 0.2794



41.6544, 0.3816, 0.2699



46.9123, 0.4141, 0.3311



18.1295, 0.3220, 0.3179



11.8483, 0.5088, 0.2576

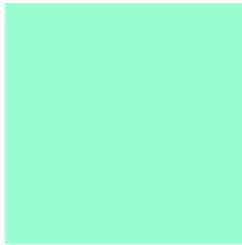


1.1755, 0.4818, 0.2428



# Previews

## White Background



This preview shows how the Yxy color 82.7973, 0.2801, 0.3855 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

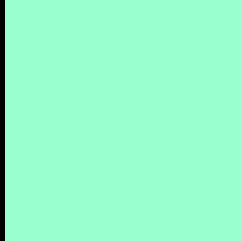
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.7973, 0.2801, 0.3855 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

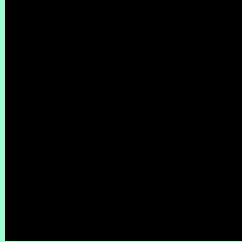
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.7973, 0.2801, 0.3855**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.7973, 0.2801, 0.3855.

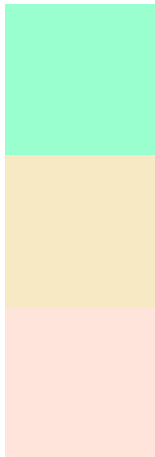


This preview shows how white text looks on a background with the Yxy color 82.7973, 0.2801, 0.3855.

# 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

82.7973, 0.2801, 0.3855

### Protanopia

81.8562, 0.3459, 0.3672

### Deuteranopia

81.9141, 0.3370, 0.3371



## Tritanopia

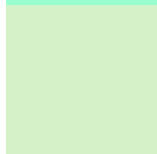
82.3264, 0.2767, 0.3150

# Trichromacy



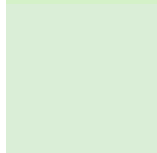
## Original Color

82.7973, 0.2801, 0.3855



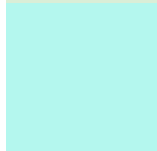
## Protanomaly

81.0778, 0.3185, 0.3740



## Deuteranomaly

80.9608, 0.3135, 0.3538



## Tritanomaly

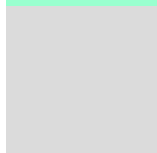
82.3979, 0.2777, 0.3389

# Monochromacy



## Original Color

82.7973, 0.2801, 0.3855



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

74.2216, 0.2986, 0.3483

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.7973, 0.2801, 0.3855 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 82.7973, 0.2801, 0.3855 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, 207) }
```

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

```
.border{ border-color:rgb(153, 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(153, 255, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.7973, 0.2801, 0.3855 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, 207) }
```

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

```
.background{ background-color: rgb(153,  
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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