

# Converting Colors

$Yxy(83.9021, 0.2801, 0.3973)$

Have a look what the booklet for  
Yxy(83.9021, 0.2801, 0.3973)  
contains.

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# Color

**Yxy(81.8480, 0.2796, 0.3935)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92FFC9
RGB	146, 255, 201
RGB Percent	57%, 100%, 79%
CMY	0.4275, 0.0000, 0.2117
CMYK	0.43, 0.00, 0.21, 0.00
HSL	150°, 100%, 79%
HSV	150°, 43%, 100%
XYZ	58.1568, 81.8480, 67.9952
YIQ	216.2530, -47.6300, -39.9020

# Conversions

## Conversions Part 2

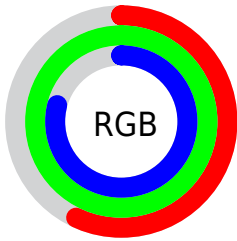
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 218, 255
Decimal	9633737
CIELab	92.51, -43.23, 16.13
CIElCh	93, 46.138, 159.534
Yxy	81.8480, 0.2796, 0.3935
Android (android.graphics.Color)	4287823817 (0xFF92FFC9)
YUV	216.2530, -7.5197, -61.6119
Hunter-Lab	90.4699, -43.5771, 18.7678

# Details

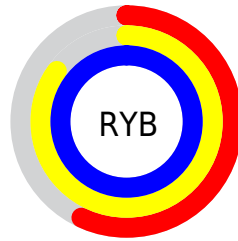
The Yxy color **81.8480, 0.2796, 0.3935** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.9873, 0.3683, 0.2734**, and the grayscale version is **68.9272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **44.5695, 0.2712, 0.4100** is the 20% darker color. If you saturate the color by 10%, you get **79.1960, 0.2742, 0.4121**, and if you desaturate by 10%, it is **85.0707, 0.2863, 0.3761**.

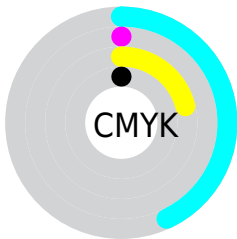
# Distribution



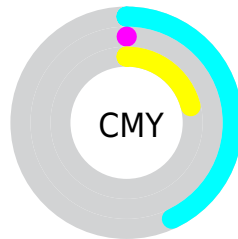
- Red (57%)
- Green (100%)
- Blue (79%)



- Red (57%)
- Yellow (85%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8480, 0.2796, 0.3935 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 81.8480, 0.2796, 0.3935 by changing the saturation by 10% instead.




 81.8480, 0.2796,  
0.3935

 81.8480, 0.2796,  
0.3935


501.1391, 0.2952,  
0.3629

 61.2403, 0.2760,  
0.4007


 135.9608, 0.2851,  
0.3827

 44.4191, 0.2714,  
0.4096


 170.2347, 0.2872,  
0.3786

 31.0001, 0.2656,  
0.4211


209.8327, 0.2890,  
0.3750

 20.5989, 0.2579,  
0.4363

255.1393, 0.2906,  
0.3720

 12.8312, 0.2473,  
0.4574

306.5388, 0.2920,  
0.3693

 7.3124, 0.2318,  
0.4885


364.4157, 0.2932,


 3.6582, 0.2071,

0.3669

0.5385


429.1544, 0.2943,  
0.3648

 1.4843, 0.1228,  
0.6985


 0.2776, 0.0000,  
1.0000


 81.8480, 0.2796,  
0.3935


 81.8480, 0.2796,  
0.3935

 79.1960, 0.2742,  
0.4121


 85.0707, 0.2863,  
0.3761

 77.0774, 0.2703,  
0.4315

 88.8961, 0.2938,  
0.3600

 75.4520, 0.2683,  
0.4512

 93.3547, 0.3019,  
0.3454

 74.2731, 0.2684,  
0.4707

 98.4750, 0.3104,  
0.3323

■ 73.4842, 0.2704,  
0.4895

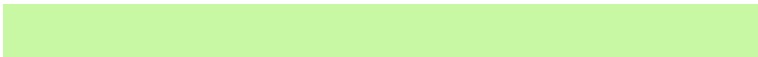
100.0000, 0.3127,  
0.3290

■ 73.0967, 0.2729,  
0.5025

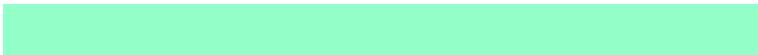
# Harmonies

## Analogous

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



81.8480, 0.3314, 0.4236



81.8480, 0.2796, 0.3935



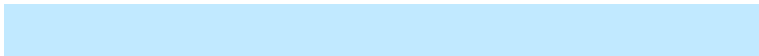
81.8480, 0.2389, 0.3417

# Triad

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



81.8480, 0.2796, 0.3935



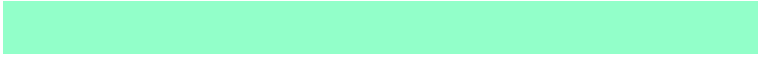
81.8480, 0.2440, 0.2445



81.8480, 0.4175, 0.3525

# Complementary

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



81.8480, 0.2796, 0.3935



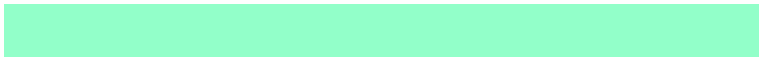
45.9873, 0.3683, 0.2734

# 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.



81.8480, 0.3904, 0.3109



81.8480, 0.2796, 0.3935



81.8480, 0.2869, 0.2515

# Square

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



81.8480, 0.2796, 0.3935



81.8480, 0.2201, 0.2573



81.8480, 0.3409, 0.2751

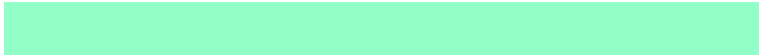


81.8480, 0.4131, 0.3926



# Rectangle

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



81.8480, 0.2796, 0.3935



81.8480, 0.2226, 0.3065



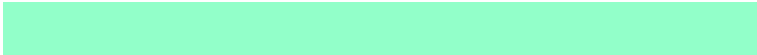
81.8480, 0.3409, 0.2751



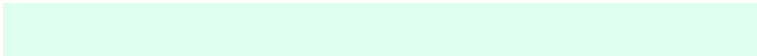
81.8480, 0.4118, 0.3384

# Sweetspot

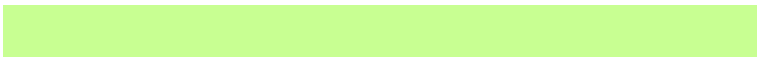
The Sweet Spot groups the original color and five complimentary colors.



81.8484, 0.2796, 0.3935



93.2331, 0.3017, 0.3458



85.9436, 0.3394, 0.4495



19.7339, 0.2999, 0.3489



0.0000, 0.0000, 0.0000

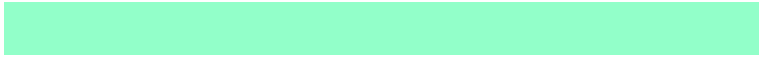


21.4041, 0.3127, 0.3290



# Same Dimension

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



81.8484, 0.2796, 0.3935



79.6194, 0.2750, 0.4088



84.8509, 0.2545, 0.3288



20.3211, 0.3047, 0.3410



38.2248, 0.2721, 0.4996



3.7439, 0.2664, 0.4789



# Inverse Universe

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



45.9873, 0.3683, 0.2734



39.6047, 0.3844, 0.2634



43.8928, 0.4255, 0.3293



18.1371, 0.3216, 0.3173



11.9302, 0.4984, 0.2519

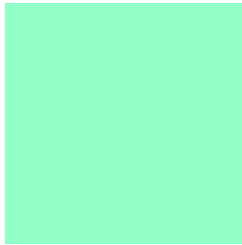


1.1836, 0.4727, 0.2378



# Previews

## White Background



This preview shows how the Yxy color 81.8480, 0.2796, 0.3935 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

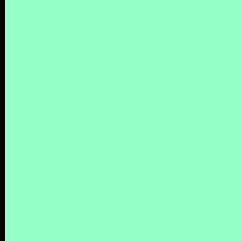
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.8480, 0.2796, 0.3935 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

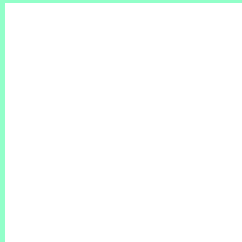
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.8480, 0.2796, 0.3935**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.8480, 0.2796, 0.3935.

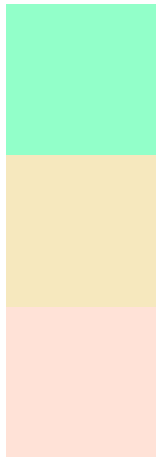


This preview shows how white text looks on a background with the Yxy color 81.8480, 0.2796, 0.3935.

# 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

81.8480, 0.2796, 0.3935

### Protanopia

81.0238, 0.3501, 0.3725

### Deuteranopia

80.5590, 0.3407, 0.3401



## Tritanopia

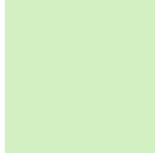
81.6714, 0.2739, 0.3149

# Trichromacy



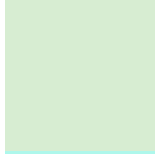
## Original Color

81.8480, 0.2796, 0.3935



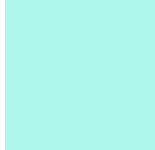
## Protanomaly

79.9169, 0.3209, 0.3800



## Deuteranomaly

79.6686, 0.3147, 0.3584



## Tritanomaly

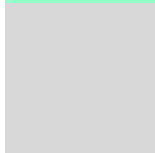
81.5184, 0.2760, 0.3424

# Monochromacy



## Original Color

81.8480, 0.2796, 0.3935



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

72.3731, 0.2984, 0.3509

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.8480, 0.2796, 0.3935 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(146, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 201)  
}
```

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(146, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 81.8480, 0.2796, 0.3935 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(146, 255, 201) }
```

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

```
.border{ border-color:rgb(146, 255, 201) }
```

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

Here you see how a box with a 4 pixel rgb(146, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.8480, 0.2796, 0.3935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 201) }
```

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

```
.background{ background-color: rgb(146,  
255, 201) }
```

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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