

# Converting Colors

$Yxy(81.4249, 0.2845, 0.3895)$

Have a look what the booklet for  
Yxy(81.4249, 0.2845, 0.3895)  
contains.

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# Color

**Yxy(81.6829, 0.2844, 0.3892)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DFDCA
RGB	157, 253, 202
RGB Percent	62%, 99%, 79%
CMY	0.3844, 0.0078, 0.2078
CMYK	0.38, 0.00, 0.20, 0.01
HSL	148°, 96%, 80%
HSV	148°, 38%, 99%
XYZ	59.6881, 81.6829, 68.5028
YIQ	218.4820, -40.8450, -36.2130

# Conversions

## Conversions Part 2

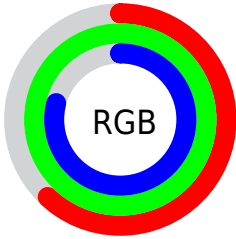
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 222, 253
Decimal	10354122
CIELab	92.43, -39.22, 15.58
CIELCh	92, 42.200, 158.331
Yxy	81.6829, 0.2844, 0.3892
Android (android.graphics.Color)	4288544202 (0xFF9DFDCA)
YUV	218.4820, -8.1256, -53.9197
Hunter-Lab	90.3786, -40.2770, 18.3259

# Details

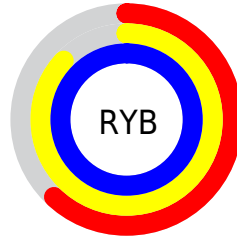
The Yxy color **81.6829, 0.2844, 0.3892** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.5442, 0.3566, 0.2763**, and the grayscale version is **70.5386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **44.3847, 0.2773, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **78.7908, 0.2787, 0.4087**, and if you desaturate by 10%, it is **85.1640, 0.2911, 0.3711**.

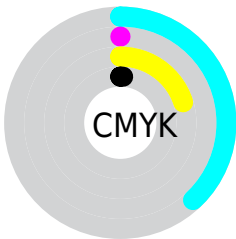
# Distribution



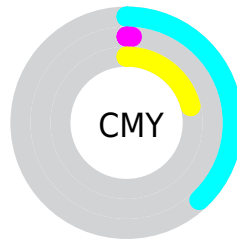
- Red (62%)
- Green (99%)
- Blue (79%)



- Red (62%)
- Yellow (87%)
- Blue (99%)



- Cyan (38%)
- Magenta (0%)
- Yellow (20%)
- Black (1%)




- Cyan (38%)
- Magenta (1%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6829, 0.2844, 0.3892 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 81.6829, 0.2844, 0.3892 by changing the saturation by 10% instead.



 81.6829, 0.2844,  
0.3892


 81.6829, 0.2844,  
0.3892


500.5864, 0.2978,  
0.3607

 61.1042, 0.2813,  
0.3959


 135.7292, 0.2891,  
0.3792

 44.3093, 0.2774,  
0.4042


 169.9656, 0.2909,  
0.3753

 30.9137, 0.2724,  
0.4148


209.5234, 0.2925,  
0.3720

 20.5331, 0.2657,  
0.4289

254.7869, 0.2938,  
0.3692

 12.7832, 0.2565,  
0.4485

306.1406, 0.2950,  
0.3666

 7.2794, 0.2430,  
0.4773


363.9688, 0.2961,


 3.6375, 0.2213,


0.3644


0.5236


428.6559, 0.2970,  
0.3625


 1.4729, 0.1572,  
0.6595


 0.2695, 0.0000,  
1.0000


 81.6829, 0.2844,  
0.3892


 81.6829, 0.2844,  
0.3892


 78.7908, 0.2787,  
0.4087


 85.1640, 0.2911,  
0.3711

 76.4434, 0.2744,  
0.4292

 89.2553, 0.2985,  
0.3546

 74.6062, 0.2717,  
0.4502

 93.9893, 0.3064,  
0.3397

 73.2363, 0.2710,  
0.4713

 98.7354, 0.3128,  
0.3271

■ 72.2831, 0.2723,  
0.4916

■ 71.6789, 0.2755,  
0.5107

■ 71.5788, 0.2762,  
0.5144

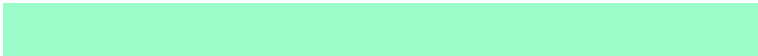
# Harmonies

## Analogous

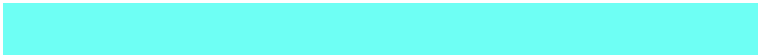
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6829, 0.3323, 0.4156



81.6829, 0.2844, 0.3892



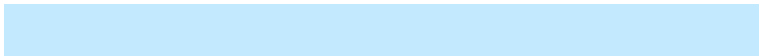
81.6829, 0.2461, 0.3428

# Triad

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



81.6829, 0.2844, 0.3892



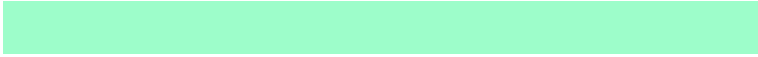
81.6829, 0.2482, 0.2512



81.6829, 0.4081, 0.3497

# Complementary

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



81.6829, 0.2844, 0.3892



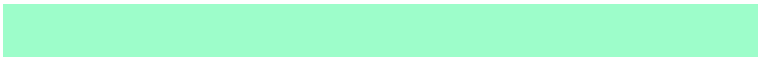
49.5442, 0.3566, 0.2763

# 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.



81.6829, 0.3823, 0.3111



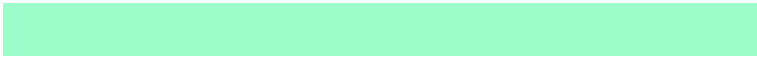
81.6829, 0.2844, 0.3892



81.6829, 0.2874, 0.2567

# Square

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



81.6829, 0.2844, 0.3892



81.6829, 0.2267, 0.2641



81.6829, 0.3367, 0.2782

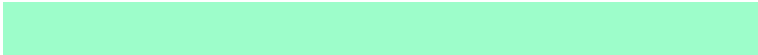


81.6829, 0.4055, 0.3867



# Rectangle

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



81.6829, 0.2844, 0.3892



81.6829, 0.2303, 0.3107



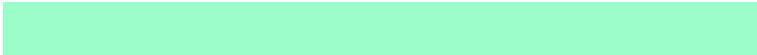
81.6829, 0.3367, 0.2782



81.6829, 0.4025, 0.3366

# Sweetspot

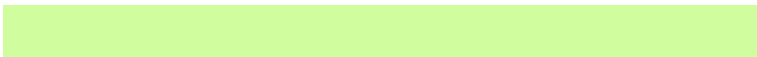
The Sweet Spot groups the original color and five complimentary colors.



81.6863, 0.2844, 0.3892



94.1402, 0.3040, 0.3441



86.1272, 0.3392, 0.4342



20.0075, 0.3029, 0.3461



0.0000, 0.0000, 0.0000

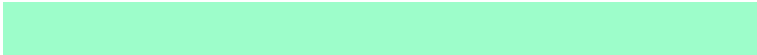


21.4041, 0.3127, 0.3290

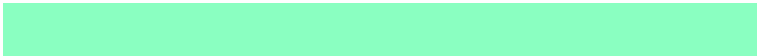


# Same Dimension

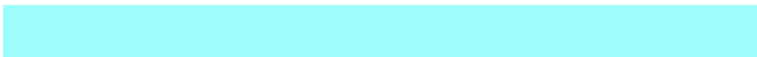
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6863, 0.2844, 0.3892



80.7349, 0.2797, 0.4048



84.3115, 0.2612, 0.3324



20.3100, 0.3051, 0.3419



38.1035, 0.2754, 0.5115



3.7319, 0.2694, 0.4899



# Inverse Universe

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



49.5442, 0.3566, 0.2763



43.5208, 0.3700, 0.2653



47.5356, 0.4040, 0.3259



18.1483, 0.3211, 0.3164



12.0595, 0.4833, 0.2436

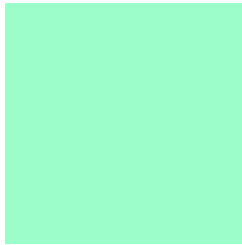


1.1963, 0.4596, 0.2306



# Previews

## White Background



This preview shows how the Yxy color 81.6829, 0.2844, 0.3892 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

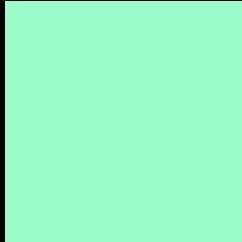
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.6829, 0.2844, 0.3892 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

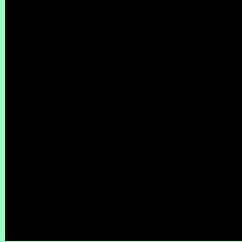
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.6829, 0.2844, 0.3892**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.6829, 0.2844, 0.3892.

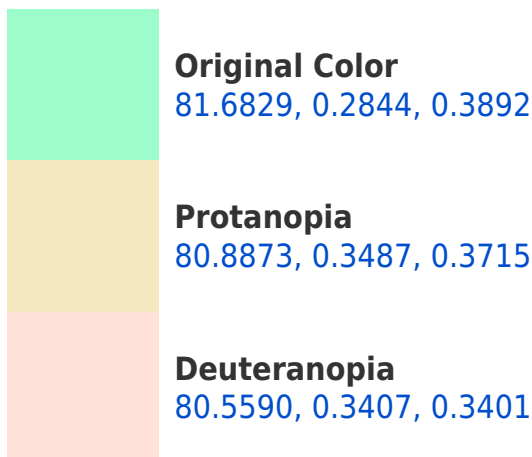


This preview shows how white text looks on a background with the Yxy color 81.6829, 0.2844, 0.3892.

# 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

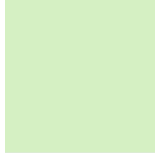
81.3371, 0.2749, 0.3139

# Trichromacy



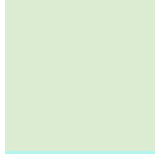
## Original Color

81.6829, 0.2844, 0.3892



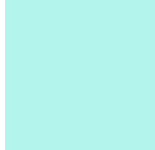
## Protanomaly

80.4064, 0.3223, 0.3786



## Deuteranomaly

79.7041, 0.3174, 0.3571



## Tritanomaly

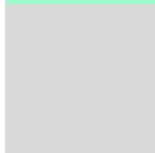
80.9447, 0.2780, 0.3390

# Monochromacy



## Original Color

81.6829, 0.2844, 0.3892



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

73.6411, 0.3010, 0.3506

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.6829, 0.2844, 0.3892 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, 253, 202)` looks like.

```
.text, #text, p{  
    color:rgb(157, 253, 202)  
}
```

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, 253, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 253, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 81.6829, 0.2844, 0.3892 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, 253, 202) }
```

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

```
.border{ border-color:rgb(157, 253, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 253, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 253, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 253, 202);  
box-shadow:4px 4px 4px 4px rgb(157, 253,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.6829, 0.2844, 0.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 253, 202) }
```

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

```
.background{ background-color: rgb(157,  
253, 202) }
```

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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