

# Converting Colors

Yxy(83.9638, 0.2842, 0.3819)

Have a look what the booklet for  
Yxy(83.9638, 0.2842, 0.3819)  
contains.

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# Color

**Yxy(83.9100, 0.2841, 0.3823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3FFD1
RGB	163, 255, 209
RGB Percent	64%, 100%, 82%
CMY	0.3612, 0.0000, 0.1804
CMYK	0.36, 0.00, 0.18, 0.00
HSL	150°, 100%, 82%
HSV	150°, 36%, 100%
XYZ	62.3563, 83.9100, 73.2210
YIQ	222.2480, -40.0660, -33.8100

# Conversions

## Conversions Part 2

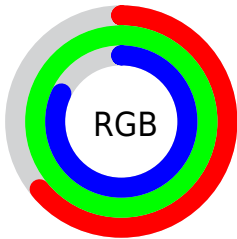
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 224, 255
Decimal	10747857
CIELab	93.41, -37.14, 13.42
CIELCh	93, 39.490, 160.136
Yxy	83.9100, 0.2841, 0.3823
Android (android.graphics.Color)	4288937937 (0xFFA3FFD1)
YUV	222.2480, -6.5313, -51.9605
Hunter-Lab	91.6024, -38.7942, 16.7291

# Details

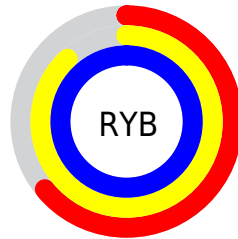
The Yxy color **83.9100, 0.2841, 0.3823** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.0196, 0.3564, 0.2817**, and the grayscale version is **73.2763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **45.8805, 0.2768, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **80.8693, 0.2779, 0.4003**, and if you desaturate by 10%, it is **87.5220, 0.2913, 0.3656**.

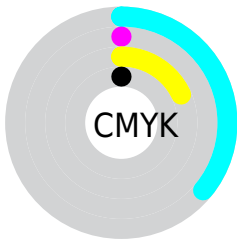
# Distribution



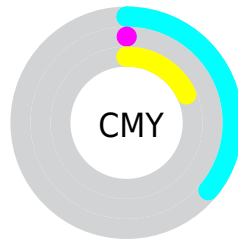
- Red (64%)
- Green (100%)
- Blue (82%)



- Red (64%)
- Yellow (88%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9100, 0.2841, 0.3823 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 83.9100, 0.2841, 0.3823 by changing the saturation by 10% instead.





 83.9100, 0.2841,  
0.3823

 83.9100, 0.2841,  
0.3823


508.0143, 0.2975,  
0.3573

 62.9411, 0.2810,  
0.3881


 138.8493, 0.2888,  
0.3736

 45.7936, 0.2772,  
0.3953


 173.5885, 0.2906,  
0.3702

 32.0830, 0.2724,  
0.4045


213.6866, 0.2921,  
0.3673

 21.4249, 0.2660,  
0.4165

259.5279, 0.2935,  
0.3648

 13.4349, 0.2573,  
0.4332

311.4970, 0.2946,  
0.3625

 7.7287, 0.2447,  
0.4575

369.9782, 0.2957,

 3.9219, 0.2249,

0.3606

0.4960

435.3558, 0.2966,  
0.3589

1.6299, 0.1794,  
0.5794

0.3777, 0.0000,  
1.0000

83.9100, 0.2841,  
0.3823

83.9100, 0.2841,  
0.3823

80.8693, 0.2779,  
0.4003

87.5220, 0.2913,  
0.3656

78.3984, 0.2730,  
0.4194

91.7691, 0.2993,  
0.3504

76.4490, 0.2697,  
0.4391

96.6693, 0.3076,  
0.3366

74.9785, 0.2685,  
0.4590

100.0000, 0.3127,  
0.3290

■ 73.9375, 0.2692,  
0.4785

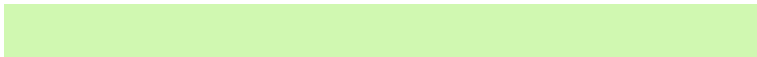
■ 73.2648, 0.2719,  
0.4970

■ 73.0679, 0.2733,  
0.5039

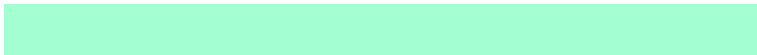
# Harmonies

## Analogous

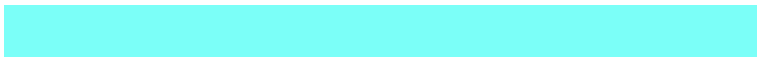
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9100, 0.3285, 0.4082



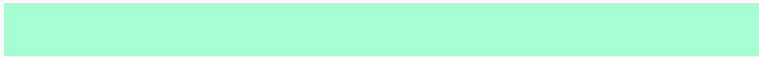
83.9100, 0.2841, 0.3823



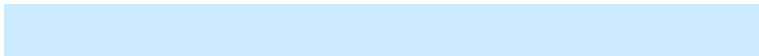
83.9100, 0.2491, 0.3392

# Triad

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



83.9100, 0.2841, 0.3823



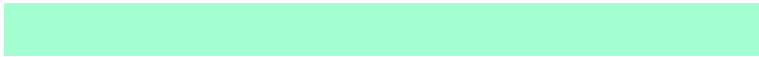
83.9100, 0.2544, 0.2562



83.9100, 0.4018, 0.3509

# Complementary

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



83.9100, 0.2841, 0.3823



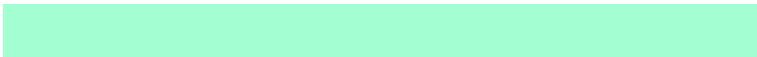
52.0196, 0.3564, 0.2817

# 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.



83.9100, 0.3793, 0.3146



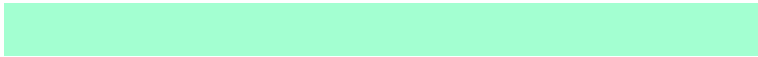
83.9100, 0.2841, 0.3823



83.9100, 0.2919, 0.2623

# Square

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



83.9100, 0.2841, 0.3823



83.9100, 0.2331, 0.2675



83.9100, 0.3379, 0.2832

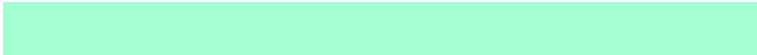


83.9100, 0.3980, 0.3849



# Rectangle

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



83.9100, 0.2841, 0.3823



83.9100, 0.2350, 0.3098



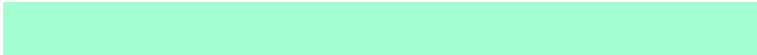
83.9100, 0.3379, 0.2832



83.9100, 0.3970, 0.3387

# Sweetspot

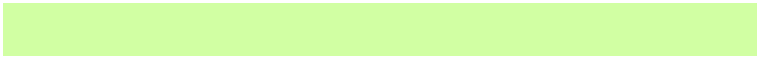
The Sweet Spot groups the original color and five complimentary colors.



83.8991, 0.2841, 0.3823



94.1928, 0.3035, 0.3432



87.7092, 0.3360, 0.4294



20.0200, 0.3023, 0.3450



0.0000, 0.0000, 0.0000

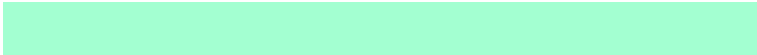


21.4041, 0.3127, 0.3290

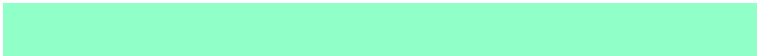


# Same Dimension

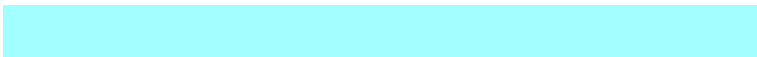
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8991, 0.2841, 0.3823



81.7518, 0.2797, 0.3946



86.5164, 0.2619, 0.3289



20.3198, 0.3047, 0.3411



38.2097, 0.2725, 0.5010



3.7424, 0.2667, 0.4802



# Inverse Universe

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



52.0196, 0.3564, 0.2817



45.7943, 0.3683, 0.2727



50.0612, 0.4007, 0.3293



18.1385, 0.3215, 0.3172



11.9451, 0.4966, 0.2509

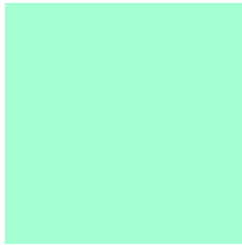


1.1851, 0.4711, 0.2369



# Previews

## White Background



This preview shows how the Yxy color 83.9100, 0.2841, 0.3823 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

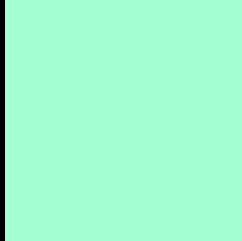
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.9100, 0.2841, 0.3823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

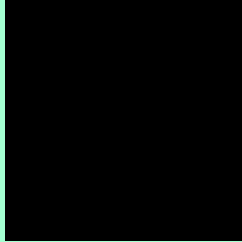
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

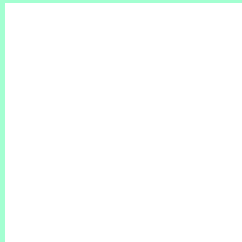
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.9100, 0.2841, 0.3823**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9100, 0.2841, 0.3823.

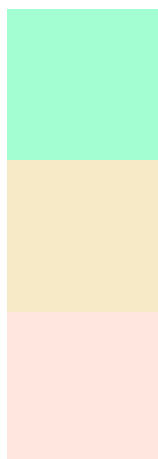


This preview shows how white text looks on a background with the Yxy color 83.9100, 0.2841, 0.3823.

# 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

83.9100, 0.2841, 0.3823

### Protanopia

82.7433, 0.3444, 0.3650

### Deuteranopia

83.1276, 0.3354, 0.3370



## Tritanopia

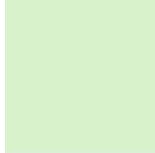
83.1418, 0.2801, 0.3152

# Trichromacy



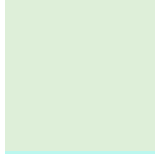
## Original Color

83.9100, 0.2841, 0.3823



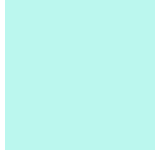
## Protanomaly

82.4150, 0.3192, 0.3713



## Deuteranomaly

82.2724, 0.3149, 0.3524



## Tritanomaly

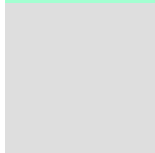
83.2594, 0.2815, 0.3388

# Monochromacy



## Original Color

83.9100, 0.2841, 0.3823



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

76.2729, 0.3013, 0.3480

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9100, 0.2841, 0.3823 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(163, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 209)  
}
```

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(163, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9100, 0.2841, 0.3823 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(163, 255, 209) }
```

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

```
.border{ border-color:rgb(163, 255, 209) }
```

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

Here you see how a box with a 4 pixel rgb(163, 255, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9100, 0.2841, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 209) }
```

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

```
.background{ background-color: rgb(163,  
255, 209) }
```

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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