

# Converting Colors

$Yxy(85.6414, 0.2924, 0.3809)$

Have a look what the booklet for  
Yxy(85.6414, 0.2924, 0.3809)  
contains.

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# Color

**Yxy(85.5884, 0.2922, 0.3811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2FFD1
RGB	178, 255, 209
RGB Percent	70%, 100%, 82%
CMY	0.3020, 0.0000, 0.1805
CMYK	0.30, 0.00, 0.18, 0.00
HSL	144°, 100%, 85%
HSV	144°, 30%, 100%
XYZ	65.6230, 85.5884, 73.3711
YIQ	226.7330, -31.1260, -30.6300

# Conversions

## Conversions Part 2

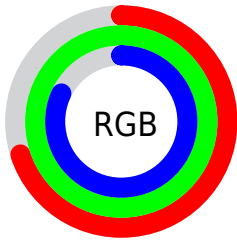
Format	Color
<a href="#">RYB</a>	<a href="#">178, 233, 255</a>
Decimal	<a href="#">11730897</a>
CIELab	<a href="#">94.14, -32.81, 14.55</a>
CIElCh	<a href="#">94, 35.887, 156.084</a>
Yxy	<a href="#">85.5884, 0.2922, 0.3811</a>
Android (android.graphics.Color)	<a href="#">4289920977</a> ( <a href="#">0xFFB2FFD1</a> )
YUV	<a href="#">226.7330, -8.7424, -42.7388</a>
Hunter-Lab	<a href="#">92.5140, -35.2840, 17.7380</a>

# Details

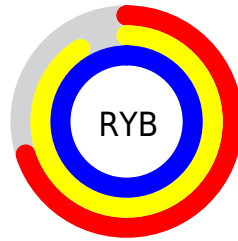
The Yxy color **85.5884, 0.2922, 0.3811** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.4741, 0.3408, 0.2823**, and the grayscale version is **76.6867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **46.9657, 0.2868, 0.3930** is the 20% darker color. If you saturate the color by 10%, you get **82.1255, 0.2864, 0.4020**, and if you desaturate by 10%, it is **89.6776, 0.2987, 0.3619**.

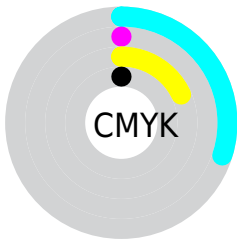
# Distribution



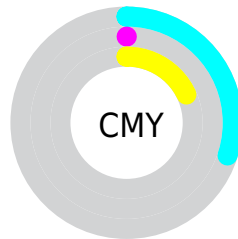
- Red (70%)
- Green (100%)
- Blue (82%)



- Red (70%)
- Yellow (91%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5884, 0.2922, 0.3811 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 85.5884, 0.2922, 0.3811 by changing the saturation by 10% instead.





 85.5884, 0.2922,  
0.3811

 85.5884, 0.2922,  
0.3811

513.5730, 0.3019,  
0.3568

 64.3277, 0.2900,  
0.3867


 141.1950, 0.2956,  
0.3726

 46.9161, 0.2872,  
0.3937


176.3096, 0.2969,  
0.3693

 32.9693, 0.2836,  
0.4025


216.8110, 0.2980,  
0.3665

 22.1030, 0.2789,  
0.4141

263.0835, 0.2990,  
0.3640

 13.9326, 0.2724,  
0.4301

315.5116, 0.2998,  
0.3619

 8.0738, 0.2629,  
0.4532


374.4796, 0.3006,


 4.1422, 0.2477,

0.3600

0.4897


440.3720, 0.3013,  
0.3583

 1.7534, 0.2196,  
0.5608


 0.4579, 0.0000,  
1.0000


 85.5884, 0.2922,  
0.3811


 85.5884, 0.2922,  
0.3811

 82.1255, 0.2864,  
0.4020


 89.6776, 0.2987,  
0.3619


 79.2655, 0.2816,  
0.4244

 94.4335, 0.3056,  
0.3447

 76.9688, 0.2782,  
0.4477

 99.8814, 0.3126,  
0.3293

 75.1951, 0.2764,  
0.4714

 100.0000, 0.3127,  
0.3290

■ 73.8985, 0.2765,  
0.4946

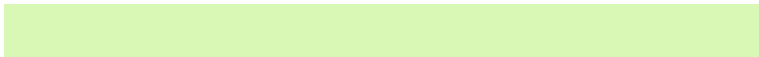
■ 73.0243, 0.2786,  
0.5162

■ 72.4922, 0.2821,  
0.5354

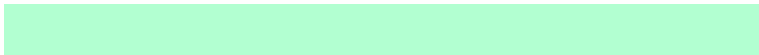
# Harmonies

## Analogous

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



85.5884, 0.3328, 0.4014



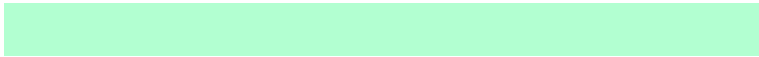
85.5884, 0.2922, 0.3811



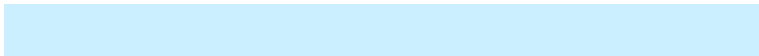
85.5884, 0.2586, 0.3439

# Triad

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



85.5884, 0.2922, 0.3811



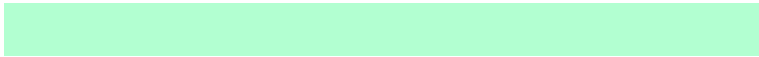
85.5884, 0.2563, 0.2632



85.5884, 0.3916, 0.3449

# Complementary

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



85.5884, 0.2922, 0.3811



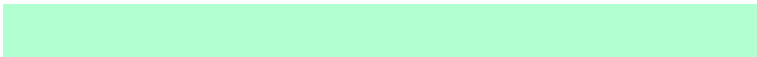
58.4741, 0.3408, 0.2823

# 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.



85.5884, 0.3685, 0.3119



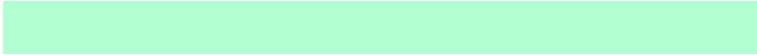
85.5884, 0.2922, 0.3811



85.5884, 0.2888, 0.2666

# Square

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



85.5884, 0.2922, 0.3811



85.5884, 0.2390, 0.2761



85.5884, 0.3299, 0.2841

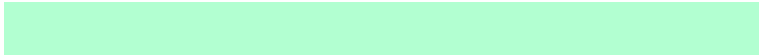


85.5884, 0.3916, 0.3764



# Rectangle

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



85.5884, 0.2922, 0.3811



85.5884, 0.2441, 0.3171



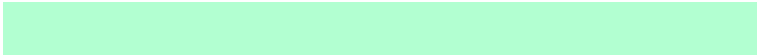
85.5884, 0.3299, 0.2841



85.5884, 0.3862, 0.3337

# Sweetspot

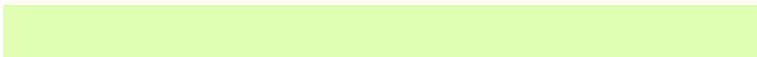
The Sweet Spot groups the original color and five complimentary colors.



85.5852, 0.2922, 0.3811



95.0523, 0.3064, 0.3427



90.6115, 0.3377, 0.4102



20.1853, 0.3054, 0.3451



0.0000, 0.0000, 0.0000

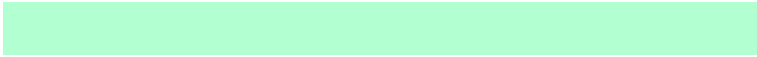


21.4041, 0.3127, 0.3290

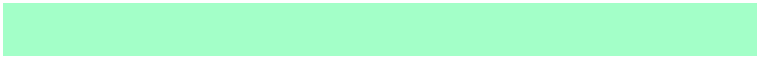


# Same Dimension

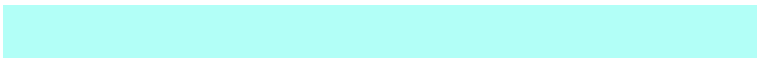
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5852, 0.2922, 0.3811



83.5050, 0.2887, 0.3930



87.7163, 0.2728, 0.3372



20.2893, 0.3060, 0.3435



37.9064, 0.2812, 0.5323



3.7117, 0.2749, 0.5097



# Inverse Universe

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



58.4741, 0.3408, 0.2823



52.5899, 0.3480, 0.2730



56.6242, 0.3742, 0.3211



18.1693, 0.3200, 0.3149



12.3297, 0.4555, 0.2283

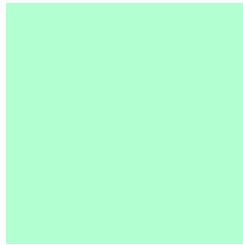


1.2221, 0.4359, 0.2175



# Previews

## White Background



This preview shows how the Yxy color 85.5884, 0.2922, 0.3811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

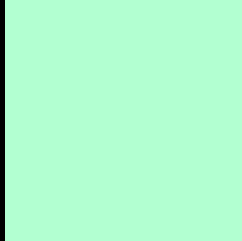
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.5884, 0.2922, 0.3811 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

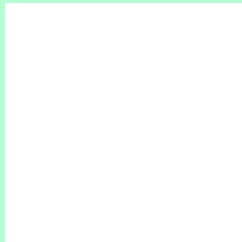
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.5884, 0.2922, 0.3811**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.5884, 0.2922, 0.3811.

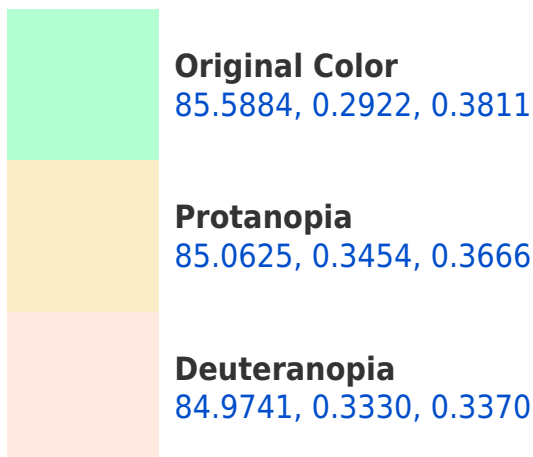


This preview shows how white text looks on a background with the Yxy color 85.5884, 0.2922, 0.3811.

# 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

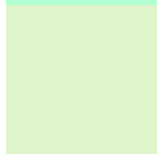
85.1701, 0.2860, 0.3165

# Trichromacy



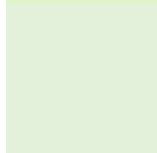
## Original Color

85.5884, 0.2922, 0.3811



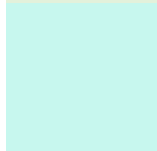
## Protanomaly

84.8605, 0.3244, 0.3727



## Deuteranomaly

84.3560, 0.3169, 0.3521



## Tritanomaly

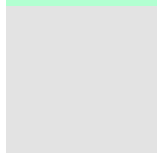
84.8367, 0.2884, 0.3386

# Monochromacy



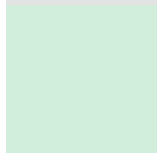
## Original Color

85.5884, 0.2922, 0.3811



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

79.2910, 0.3046, 0.3476

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5884, 0.2922, 0.3811 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(178, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 85.5884, 0.2922, 0.3811 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(178, 255, 209) }
```

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

```
.border{ border-color:rgb(178, 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(178, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.5884, 0.2922, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 209) }
```

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

```
.background{ background-color: rgb(178,  
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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