

# Converting Colors

$Yxy(85.4846, 0.2904, 0.3792)$

Have a look what the booklet for  
Yxy(85.4846, 0.2904, 0.3792)  
contains.

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# Color

**Yxy(85.4533, 0.2901, 0.3789)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0FFD3
RGB	176, 255, 211
RGB Percent	69%, 100%, 83%
CMY	0.3096, 0.0000, 0.1727
CMYK	0.31, 0.00, 0.17, 0.00
HSL	147°, 100%, 85%
HSV	147°, 31%, 100%
XYZ	65.4262, 85.4533, 74.6504
YIQ	226.3630, -32.9600, -30.4320

# Conversions

## Conversions Part 2

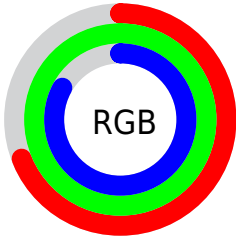
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 231, 255
Decimal	11599827
CIELab	94.08, -33.00, 13.43
CIELCh	94, 35.628, 157.846
Yxy	85.4533, 0.2901, 0.3789
Android (android.graphics.Color)	4289789907 (0xFFB0FFD3)
YUV	226.3630, -7.5740, -44.1684
Hunter-Lab	92.4410, -35.4361, 16.8292

# Details

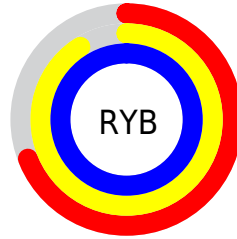
The Yxy color **85.4533, 0.2901, 0.3789** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.5003, 0.3444, 0.2841**, and the grayscale version is **76.4104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **46.8534, 0.2849, 0.3916** is the 20% darker color. If you saturate the color by 10%, you get **82.0754, 0.2839, 0.3984**, and if you desaturate by 10%, it is **89.4597, 0.2970, 0.3610**.

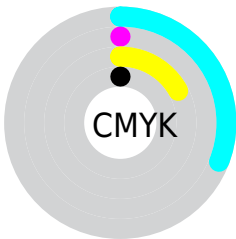
# Distribution



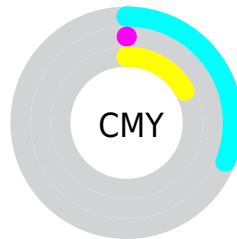
- Red (69%)
- Green (100%)
- Blue (83%)



- Red (69%)
- Yellow (91%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4533, 0.2901, 0.3789 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 85.4533, 0.2901, 0.3789 by changing the saturation by 10% instead.





 85.4533, 0.2901,  
0.3789

 85.4533, 0.2901,  
0.3789


513.1268, 0.3007,  
0.3556

 64.2160, 0.2877,  
0.3843


 141.0063, 0.2938,  
0.3708

 46.8256, 0.2846,  
0.3909


176.0908, 0.2952,  
0.3676

 32.8978, 0.2808,  
0.3994


216.5599, 0.2964,  
0.3649

 22.0482, 0.2757,  
0.4105

262.7979, 0.2975,  
0.3626

 13.8923, 0.2688,  
0.4257

315.1891, 0.2984,  
0.3605

 8.0458, 0.2587,  
0.4478


374.1181, 0.2993,


 4.1243, 0.2428,

0.3587


0.4825

439.9692, 0.3000,  
0.3571

 1.7433, 0.2127,  
0.5488


 0.4515, 0.0000,  
1.0000


 85.4533, 0.2901,  
0.3789

 85.4533, 0.2901,  
0.3789


 82.0754, 0.2839,  
0.3984


 89.4597, 0.2970,  
0.3610


 79.2824, 0.2789,  
0.4193

 94.1145, 0.3044,  
0.3448

 77.0418, 0.2752,  
0.4412

 99.4496, 0.3120,  
0.3303

 75.3133, 0.2733,  
0.4633

 99.9999, 0.3127,  
0.3290

■ 74.0509, 0.2734,  
0.4852

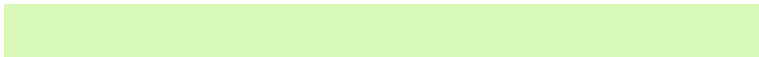
■ 73.1996, 0.2754,  
0.5059

■ 72.7072, 0.2786,  
0.5231

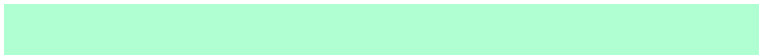
# Harmonies

## Analogous

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



85.4533, 0.3303, 0.4003



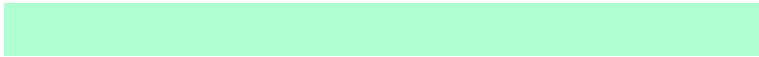
85.4533, 0.2901, 0.3789



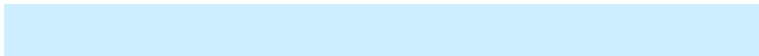
85.4533, 0.2574, 0.3415

# Triad

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



85.4533, 0.2901, 0.3789



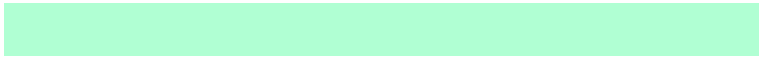
85.4533, 0.2581, 0.2634



85.4533, 0.3917, 0.3467

# Complementary

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



85.4533, 0.2901, 0.3789



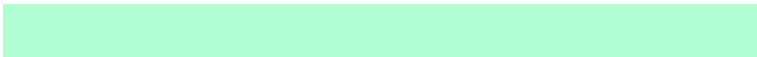
57.5003, 0.3444, 0.2841

# 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.



85.4533, 0.3700, 0.3139



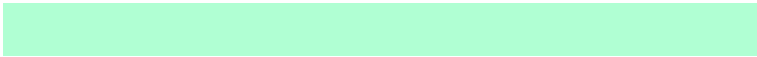
85.4533, 0.2901, 0.3789



85.4533, 0.2912, 0.2676

# Square

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



85.4533, 0.2901, 0.3789



85.4533, 0.2400, 0.2752



85.4533, 0.3323, 0.2857

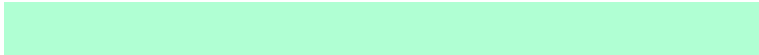


85.4533, 0.3904, 0.3777



# Rectangle

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



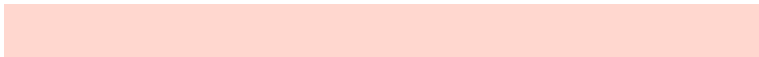
85.4533, 0.2901, 0.3789



85.4533, 0.2436, 0.3150



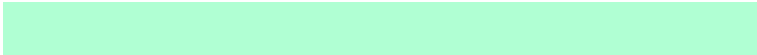
85.4533, 0.3323, 0.2857



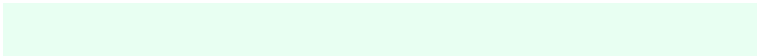
85.4533, 0.3869, 0.3356

# Sweetspot

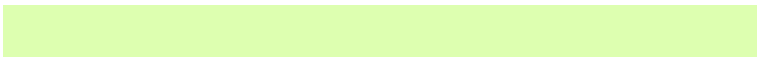
The Sweet Spot groups the original color and five complimentary colors.



85.4568, 0.2901, 0.3789



95.1070, 0.3059, 0.3418



89.9950, 0.3366, 0.4129



20.1988, 0.3048, 0.3440



0.0000, 0.0000, 0.0000

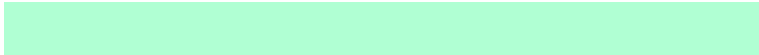


21.4041, 0.3127, 0.3290

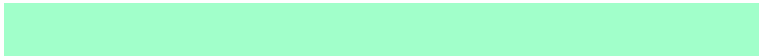


# Same Dimension

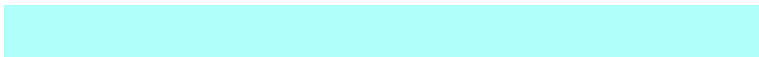
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4568, 0.2901, 0.3789



83.3430, 0.2863, 0.3905



87.6410, 0.2706, 0.3346



20.3017, 0.3055, 0.3426



38.0201, 0.2778, 0.5201



3.7234, 0.2717, 0.4980



# Inverse Universe

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



57.5003, 0.3444, 0.2841



51.4454, 0.3528, 0.2751



55.6777, 0.3787, 0.3237



18.1567, 0.3206, 0.3158



12.1633, 0.4720, 0.2374

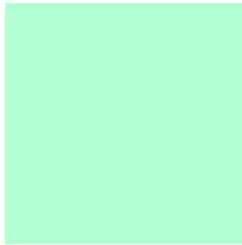


1.2063, 0.4500, 0.2252



# Previews

## White Background



This preview shows how the Yxy color 85.4533, 0.2901, 0.3789 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

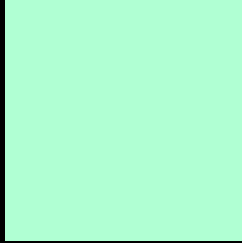
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4533, 0.2901, 0.3789 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

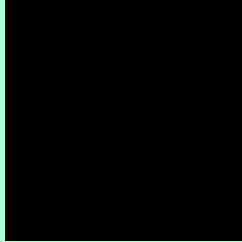
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.4533, 0.2901, 0.3789**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4533, 0.2901, 0.3789.

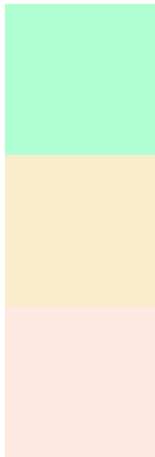


This preview shows how white text looks on a background with the Yxy color 85.4533, 0.2901, 0.3789.

# 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

85.4533, 0.2901, 0.3789

### Protanopia

84.3949, 0.3435, 0.3636

### Deuteranopia

84.4642, 0.3325, 0.3350



## Tritanopia

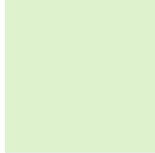
85.0228, 0.2854, 0.3164

# Trichromacy



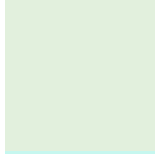
## Original Color

85.4533, 0.2901, 0.3789



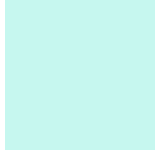
## Protanomaly

84.0386, 0.3219, 0.3696



## Deuteranomaly

83.7094, 0.3151, 0.3490



## Tritanomaly

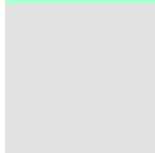
84.7593, 0.2872, 0.3375

# Monochromacy



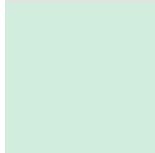
## Original Color

85.4533, 0.2901, 0.3789



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.1987, 0.3034, 0.3465

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4533, 0.2901, 0.3789 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(176, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 211)  
}
```

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(176, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4533, 0.2901, 0.3789 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(176, 255, 211) }
```

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

```
.border{ border-color:rgb(176, 255, 211) }
```

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

Here you see how a box with a 4 pixel rgb(176, 255, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4533, 0.2901, 0.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 211) }
```

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

```
.background{ background-color: rgb(176,  
255, 211) }
```

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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