

# Converting Colors

$Yxy(90.4794, 0.2909, 0.3887)$

Have a look what the booklet for  
Yxy(90.4794, 0.2909, 0.3887)  
contains.

<b>Yxy(85.4032, 0.2906, 0.3800)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(85.4032, 0.2906, 0.3800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0FFD2
RGB	176, 255, 210
RGB Percent	69%, 100%, 82%
CMY	0.3095, 0.0000, 0.1764
CMYK	0.31, 0.00, 0.18, 0.00
HSL	146°, 100%, 85%
HSV	146°, 31%, 100%
XYZ	65.3110, 85.4032, 74.0311
YIQ	226.2490, -32.6390, -30.7430

# Conversions

## Conversions Part 2

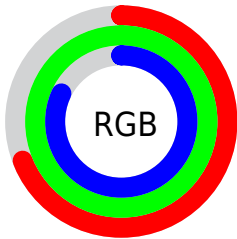
Format	Color
<a href="#">RYB</a>	<a href="#">176, 231, 255</a>
Decimal	<a href="#">11599826</a>
CIELab	<a href="#">94.06, -33.16, 13.89</a>
CIElCh	<a href="#">94, 35.955, 157.279</a>
Yxy	<a href="#">85.4032, 0.2906, 0.3800</a>
Android (android.graphics.Color)	<a href="#">4289789906</a> ( <a href="#">0xFFB0FFD2</a> )
YUV	<a href="#">226.2490, -8.0108, -44.0684</a>
Hunter-Lab	<a href="#">92.4139, -35.5742, 17.1935</a>

# Details

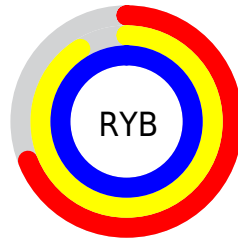
The Yxy color **85.4032, 0.2906, 0.3800** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.5581, 0.3436, 0.2832**, and the grayscale version is **76.3327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **46.8197, 0.2855, 0.3932** is the 20% darker color. If you saturate the color by 10%, you get **82.0151, 0.2846, 0.4000**, and if you desaturate by 10%, it is **89.4224, 0.2974, 0.3617**.

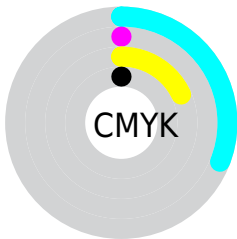
# Distribution



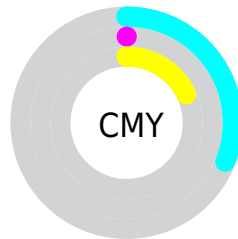
- Red (69%)
- Green (100%)
- Blue (82%)



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



- Cyan (31%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4032, 0.2906, 0.3800 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 85.4032, 0.2906, 0.3800 by changing the saturation by 10% instead.




 85.4032, 0.2906,  
0.3800

 85.4032, 0.2906,  
0.3800


512.9613, 0.3010,  
0.3562

 64.1746, 0.2882,  
0.3855

 140.9364, 0.2942,  
0.3717

 46.7921, 0.2852,  
0.3923

176.0097, 0.2956,  
0.3685

 32.8713, 0.2814,  
0.4010


216.4668, 0.2968,  
0.3657

 22.0279, 0.2764,  
0.4123

262.6919, 0.2979,  
0.3633

 13.8774, 0.2696,  
0.4279

315.0695, 0.2988,  
0.3612

 8.0354, 0.2596,  
0.4506


373.9840, 0.2996,


 4.1176, 0.2437,


0.3593


0.4863


439.8198, 0.3003,  
0.3577

 1.7396, 0.2137,  
0.5553


 0.4491, 0.0000,  
1.0000

 85.4032, 0.2906,  
0.3800


 85.4032, 0.2906,  
0.3800


 82.0151, 0.2846,  
0.4000


 89.4224, 0.2974,  
0.3617


 79.2145, 0.2796,  
0.4214

 94.0927, 0.3046,  
0.3451

 76.9686, 0.2760,  
0.4437

 99.4462, 0.3120,  
0.3303

 75.2371, 0.2742,  
0.4663

 99.9941, 0.3127,  
0.3290

■ 73.9739, 0.2744,  
0.4885

■ 73.1238, 0.2765,  
0.5095

■ 72.6337, 0.2797,  
0.5269

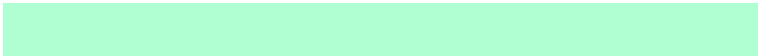
# Harmonies

## Analogous

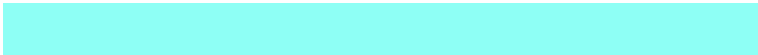
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4032, 0.3312, 0.4012



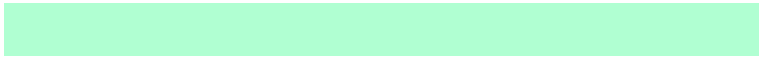
85.4032, 0.2906, 0.3800



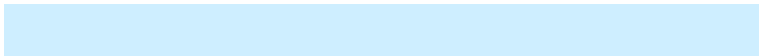
85.4032, 0.2574, 0.3424

# Triad

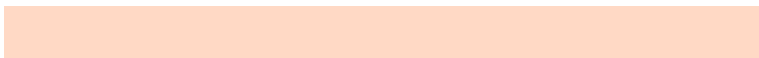
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4032, 0.2906, 0.3800



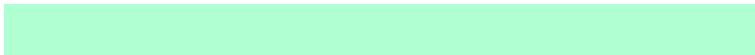
85.4032, 0.2572, 0.2629



85.4032, 0.3923, 0.3462

# Complementary

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



85.4032, 0.2906, 0.3800



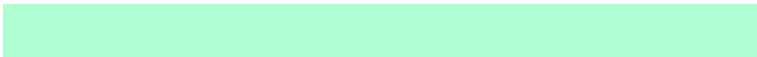
57.5581, 0.3436, 0.2832

# 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.



85.4032, 0.3699, 0.3131



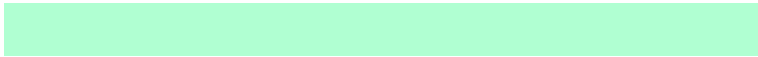
85.4032, 0.2906, 0.3800



85.4032, 0.2902, 0.2669

# Square

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



85.4032, 0.2906, 0.3800



85.4032, 0.2392, 0.2751



85.4032, 0.3317, 0.2849

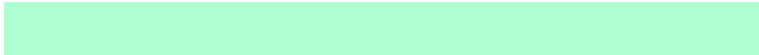


85.4032, 0.3913, 0.3776



# Rectangle

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



85.4032, 0.2906, 0.3800



85.4032, 0.2433, 0.3156



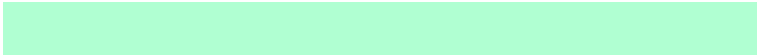
85.4032, 0.3317, 0.2849



85.4032, 0.3872, 0.3350

# Sweetspot

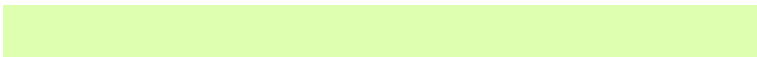
The Sweet Spot groups the original color and five complimentary colors.



85.4067, 0.2906, 0.3800



95.0905, 0.3060, 0.3421



90.1979, 0.3374, 0.4126



20.1947, 0.3050, 0.3443



0.0000, 0.0000, 0.0000

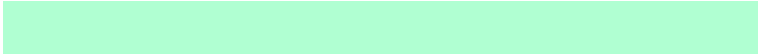


21.4041, 0.3127, 0.3290

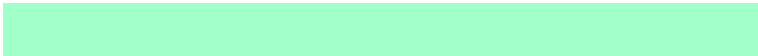


# Same Dimension

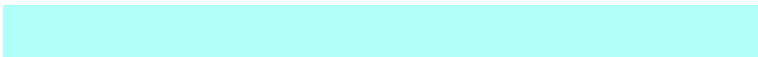
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4067, 0.2906, 0.3800



83.2894, 0.2868, 0.3919



87.5553, 0.2713, 0.3360



20.2979, 0.3057, 0.3429



37.9844, 0.2788, 0.5238



3.7198, 0.2727, 0.5016



# Inverse Universe

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



57.5581, 0.3436, 0.2832



51.5033, 0.3517, 0.2740



55.7400, 0.3775, 0.3223



18.1605, 0.3204, 0.3155



12.2121, 0.4670, 0.2346

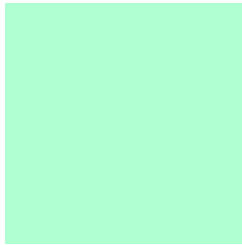


1.2110, 0.4457, 0.2229



# Previews

## White Background



This preview shows how the Yxy color 85.4032, 0.2906, 0.3800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

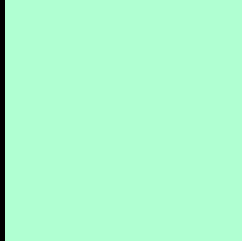
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4032, 0.2906, 0.3800 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

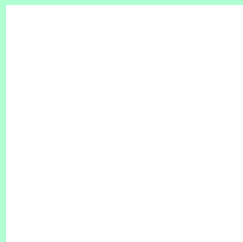
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.4032, 0.2906, 0.3800**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4032, 0.2906, 0.3800.

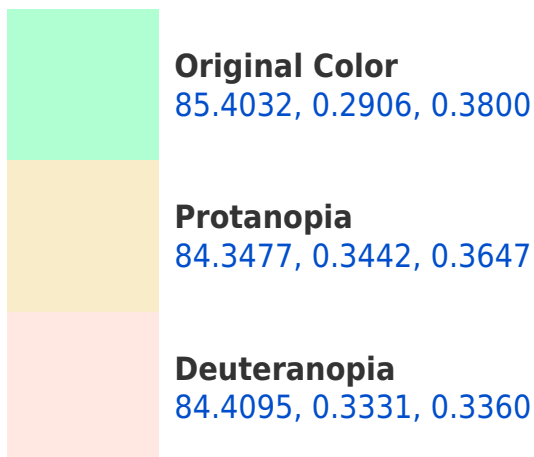


This preview shows how white text looks on a background with the Yxy color 85.4032, 0.2906, 0.3800.

# 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

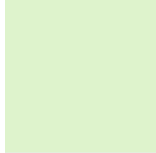
85.0228, 0.2854, 0.3164

# Trichromacy



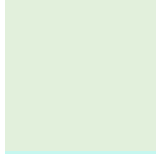
## Original Color

85.4032, 0.2906, 0.3800



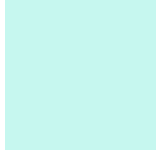
## Protanomaly

83.9904, 0.3225, 0.3707



## Deuteranomaly

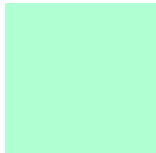
83.6562, 0.3157, 0.3501



## Tritanomaly

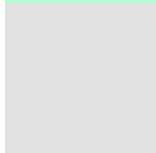
84.7593, 0.2872, 0.3375

# Monochromacy



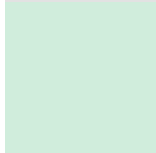
## Original Color

85.4032, 0.2906, 0.3800



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.1456, 0.3040, 0.3476

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4032, 0.2906, 0.3800 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4032, 0.2906, 0.3800 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, 210) }
```

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

```
.border{ border-color:rgb(176, 255, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4032, 0.2906, 0.3800 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, 210) }
```

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

```
.background{ background-color: rgb(176,  
255, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor