

# Converting Colors

$Yxy(85.7764, 0.2929, 0.3806)$

Have a look what the booklet for  
Yxy(85.7764, 0.2929, 0.3806)  
contains.

<b>Yxy(85.8267, 0.2933, 0.3809)</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(85.8267, 0.2933, 0.3809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4FFD1
RGB	180, 255, 209
RGB Percent	71%, 100%, 82%
CMY	0.2942, 0.0000, 0.1803
CMYK	0.29, 0.00, 0.18, 0.00
HSL	143°, 100%, 85%
HSV	143°, 29%, 100%
XYZ	66.0881, 85.8267, 73.4112
YIQ	227.3310, -29.9340, -30.2060

# Conversions

## Conversions Part 2

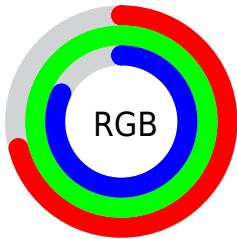
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 234, 255
Decimal	11861969
CIELab	94.24, -32.20, 14.69
CIELCh	94, 35.397, 155.476
Yxy	85.8267, 0.2933, 0.3809
Android (android.graphics.Color)	4290052049 (0xFFB4FFD1)
YUV	227.3310, -9.0372, -41.5093
Hunter-Lab	92.6427, -34.7889, 17.8678

# Details

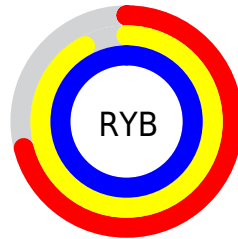
The Yxy color **85.8267, 0.2933, 0.3809** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.3835, 0.3390, 0.2824**, and the grayscale version is **77.1484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **47.1147, 0.2881, 0.3927** is the 20% darker color. If you saturate the color by 10%, you get **82.3045, 0.2876, 0.4022**, and if you desaturate by 10%, it is **89.9843, 0.2996, 0.3614**.

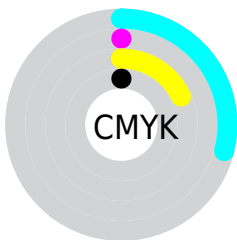
# Distribution



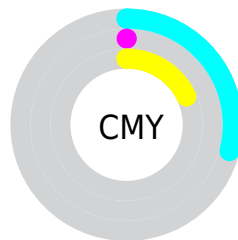
- Red (71%)
- Green (100%)
- Blue (82%)



- Red (71%)
- Yellow (92%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8267, 0.2933, 0.3809 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 85.8267, 0.2933, 0.3809 by changing the saturation by 10% instead.



 85.8267, 0.2933,  
0.3809

 85.8267, 0.2933,  
0.3809

514.3596, 0.3025,  
0.3567

 64.5247, 0.2912,  
0.3865


 141.5276, 0.2965,  
0.3725

 47.0758, 0.2885,  
0.3934

176.6953, 0.2978,  
0.3692

 33.0956, 0.2851,  
0.4022


217.2537, 0.2988,  
0.3664

 22.1997, 0.2806,  
0.4137

263.5872, 0.2997,  
0.3639

 14.0037, 0.2744,  
0.4296

316.0801, 0.3005,  
0.3618

 8.1232, 0.2653,  
0.4525

375.1169, 0.3013,

 4.1739, 0.2508,

0.3599

0.4886

441.0819, 0.3019,  
0.3582

■ 1.7713, 0.2244,  
0.5583

■ 0.4692, 0.0000,  
1.0000

■ 85.8267, 0.2933,  
0.3809

■ 85.8267, 0.2933,  
0.3809

■ 82.3045, 0.2876,  
0.4022

■ 89.9843, 0.2996,  
0.3614

■ 79.3898, 0.2829,  
0.4251

■ 94.8132, 0.3063,  
0.3438

■ 77.0448, 0.2794,  
0.4491

100.0000, 0.3127,  
0.3290

■ 75.2293, 0.2776,  
0.4733

■ 73.8976, 0.2777,  
0.4970

■ 72.9957, 0.2796,  
0.5191

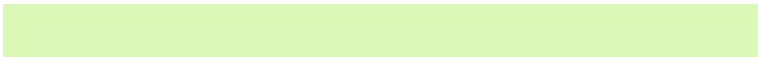
■ 72.4418, 0.2831,  
0.5389

■ 72.4148, 0.2833,  
0.5400

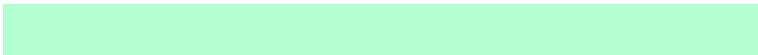
# Harmonies

## Analogous

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



85.8267, 0.3334, 0.4004



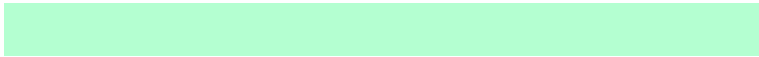
85.8267, 0.2933, 0.3809



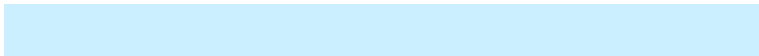
85.8267, 0.2599, 0.3446

# Triad

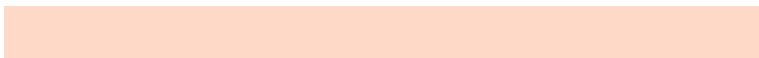
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8267, 0.2933, 0.3809



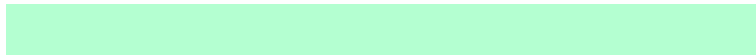
85.8267, 0.2565, 0.2642



85.8267, 0.3902, 0.3440

# Complementary

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



85.8267, 0.2933, 0.3809



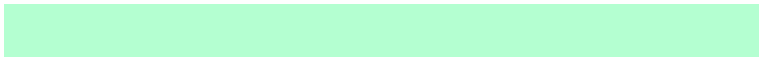
59.3835, 0.3390, 0.2824

# 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.



85.8267, 0.3670, 0.3115



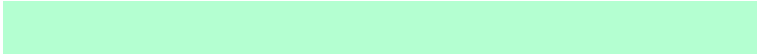
85.8267, 0.2933, 0.3809



85.8267, 0.2884, 0.2672

# Square

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



85.8267, 0.2933, 0.3809



85.8267, 0.2399, 0.2773



85.8267, 0.3289, 0.2842

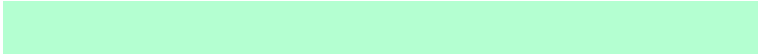


85.8267, 0.3907, 0.3752



# Rectangle

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



85.8267, 0.2933, 0.3809



85.8267, 0.2454, 0.3181



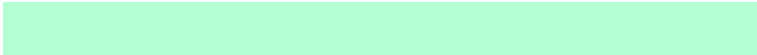
85.8267, 0.3289, 0.2842



85.8267, 0.3848, 0.3330

# Sweetspot

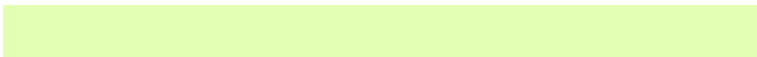
The Sweet Spot groups the original color and five complimentary colors.



85.8249, 0.2933, 0.3809



95.0310, 0.3066, 0.3431



91.0224, 0.3379, 0.4078



20.1801, 0.3056, 0.3455



0.0000, 0.0000, 0.0000

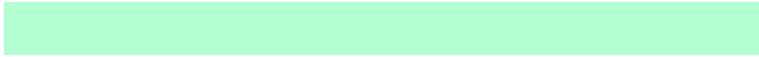


21.4041, 0.3127, 0.3290

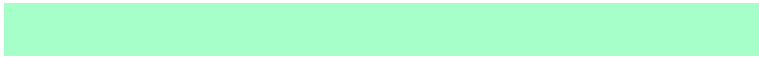


# Same Dimension

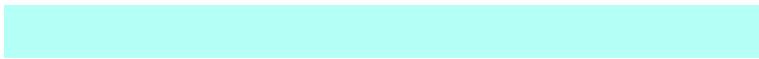
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8249, 0.2933, 0.3809



83.7837, 0.2900, 0.3926



87.8899, 0.2743, 0.3384



20.2845, 0.3063, 0.3439



37.8653, 0.2825, 0.5369



3.7074, 0.2762, 0.5142



# Inverse Universe

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



59.3835, 0.3390, 0.2824



53.6334, 0.3455, 0.2733



57.5568, 0.3709, 0.3200



18.1742, 0.3198, 0.3145



12.3987, 0.4491, 0.2248

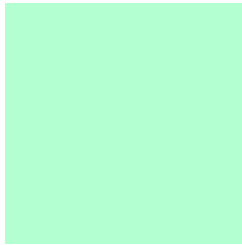


1.2286, 0.4305, 0.2145



# Previews

## White Background



This preview shows how the Yxy color 85.8267, 0.2933, 0.3809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

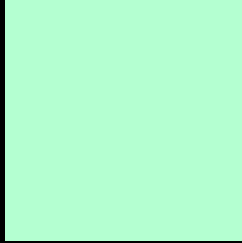
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8267, 0.2933, 0.3809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

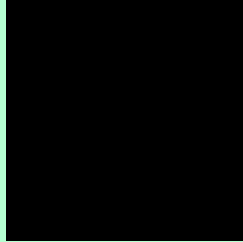
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.8267, 0.2933, 0.3809**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.8267, 0.2933, 0.3809.

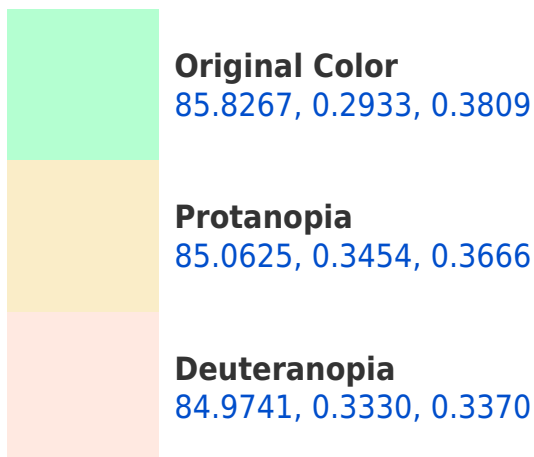


This preview shows how white text looks on a background with the Yxy color 85.8267, 0.2933, 0.3809.

# 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

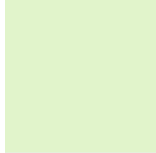
85.3182, 0.2866, 0.3165

# Trichromacy



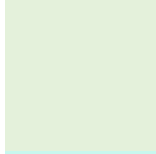
## Original Color

85.8267, 0.2933, 0.3809



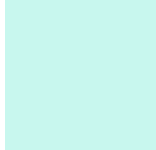
## Protanomaly

85.0207, 0.3251, 0.3726



## Deuteranomaly

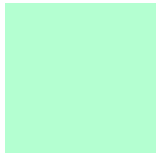
84.5190, 0.3176, 0.3521



## Tritanomaly

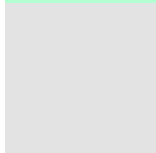
84.9739, 0.2889, 0.3386

# Monochromacy



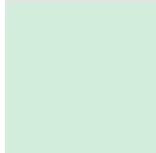
## Original Color

85.8267, 0.2933, 0.3809



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

79.4373, 0.3053, 0.3475

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.8267, 0.2933, 0.3809 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(180, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8267, 0.2933, 0.3809 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(180, 255, 209) }
```

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

```
.border{ border-color:rgb(180, 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(180, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8267, 0.2933, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 209) }
```

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

```
.background{ background-color: rgb(180,  
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](#).

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