

# Converting Colors

$Yxy(85.0450, 0.2874, 0.3780)$

Have a look what the booklet for  
Yxy(85.0450, 0.2874, 0.3780)  
contains.

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# **Color**

**Yxy(85.0441, 0.2874, 0.3780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACFFD4
RGB	172, 255, 212
RGB Percent	67%, 100%, 83%
CMY	0.3253, 0.0000, 0.1687
CMYK	0.33, 0.00, 0.17, 0.00
HSL	149°, 100%, 84%
HSV	149°, 33%, 100%
XYZ	64.6605, 85.0441, 75.2798
YIQ	225.2810, -35.6650, -30.9690

# Conversions

## Conversions Part 2

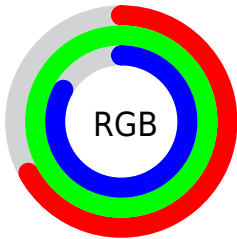
Format	Color
<a href="#">RYB</a>	<a href="#">172, 228, 255</a>
Decimal	<a href="#">11337684</a>
CIELab	<a href="#">93.90, -33.97, 12.64</a>
CIElCh	<a href="#">94, 36.243, 159.593</a>
Yxy	<a href="#">85.0441, 0.2874, 0.3780</a>
Android (android.graphics.Color)	<a href="#">4289527764 (0xFFACFFD4)</a>
YUV	<a href="#">225.2810, -6.5475, -46.7274</a>
Hunter-Lab	<a href="#">92.2194, -36.2268, 16.1544</a>

# Details

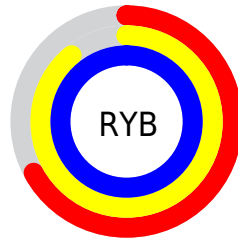
The Yxy color **85.0441, 0.2874, 0.3780** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.6889, 0.3493, 0.2849**, and the grayscale version is **75.5812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **46.6044, 0.2817, 0.3905** is the 20% darker color. If you saturate the color by 10%, you get **81.7927, 0.2810, 0.3963**, and if you desaturate by 10%, it is **88.9104, 0.2947, 0.3612**.

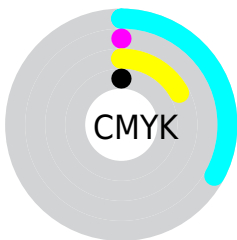
# Distribution



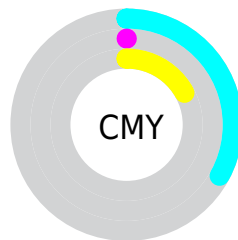
- Red (67%)
- Green (100%)
- Blue (83%)



- Red (67%)
- Yellow (89%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0441, 0.2874, 0.3780 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 85.0441, 0.2874, 0.3780 by changing the saturation by 10% instead.





 85.0441, 0.2874,  
0.3780

 85.0441, 0.2874,  
0.3780

511.7740, 0.2992,  
0.3551

 63.8778, 0.2847,  
0.3833


 140.4348, 0.2915,  
0.3700

 46.5517, 0.2814,  
0.3898

175.4280, 0.2931,  
0.3669

 32.6814, 0.2771,  
0.3981


215.7989, 0.2945,  
0.3643

 21.8825, 0.2715,  
0.4090

261.9321, 0.2956,  
0.3620

 13.7706, 0.2639,  
0.4240

314.2117, 0.2967,  
0.3600

 7.9613, 0.2530,  
0.4457

373.0223, 0.2976,

 4.0702, 0.2358,

0.3582

0.4800

438.7483, 0.2984,  
0.3566

■ 1.7129, 0.2019,  
0.5457

■ 0.4320, 0.0000,  
1.0000

■ 85.0441, 0.2874,  
0.3780

■ 85.0441, 0.2874,  
0.3780

■ 81.7927, 0.2810,  
0.3963

■ 88.9104, 0.2947,  
0.3612

■ 79.1131, 0.2757,  
0.4158

■ 93.4122, 0.3025,  
0.3459

■ 76.9723, 0.2720,  
0.4361

■ 98.5810, 0.3106,  
0.3322

■ 75.3297, 0.2702,  
0.4568

100.0000, 0.3127,  
0.3290

■ 74.1386, 0.2703,  
0.4772

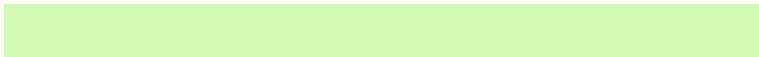
■ 73.3424, 0.2725,  
0.4966

■ 72.9443, 0.2751,  
0.5103

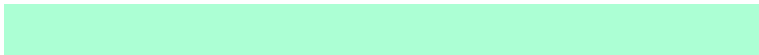
# Harmonies

## Analogous

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



85.0441, 0.3282, 0.4011



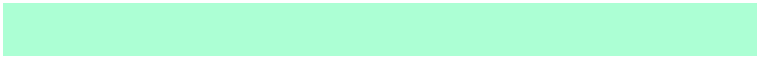
85.0441, 0.2874, 0.3780



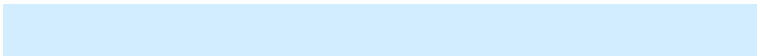
85.0441, 0.2549, 0.3393

# Triad

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



85.0441, 0.2874, 0.3780



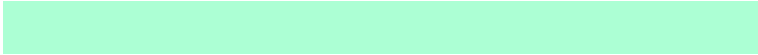
85.0441, 0.2587, 0.2621



85.0441, 0.3938, 0.3489

# Complementary

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



85.0441, 0.2874, 0.3780



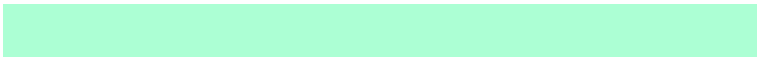
55.6889, 0.3493, 0.2849

# 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.



85.0441, 0.3729, 0.3154



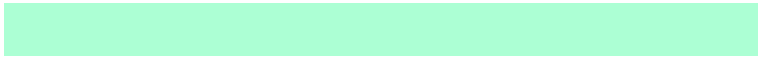
85.0441, 0.2874, 0.3780



85.0441, 0.2931, 0.2673

# Square

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



85.0441, 0.2874, 0.3780



85.0441, 0.2393, 0.2731



85.0441, 0.3351, 0.2864

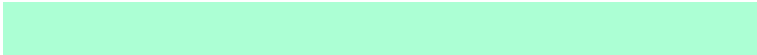


85.0441, 0.3910, 0.3801



# Rectangle

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



85.0441, 0.2874, 0.3780



85.0441, 0.2416, 0.3124



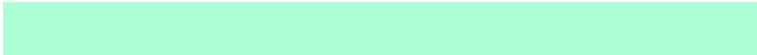
85.0441, 0.3351, 0.2864



85.0441, 0.3893, 0.3377

# Sweetspot

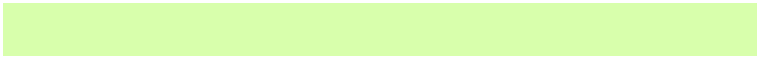
The Sweet Spot groups the original color and five complimentary colors.



85.0474, 0.2874, 0.3780



94.6578, 0.3046, 0.3423



89.1423, 0.3358, 0.4180



20.1117, 0.3034, 0.3443



0.0000, 0.0000, 0.0000

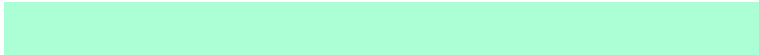


21.4041, 0.3127, 0.3290

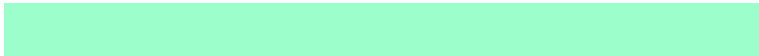


# Same Dimension

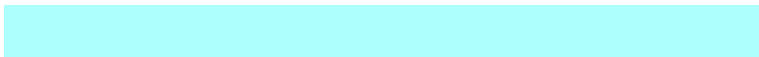
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0474, 0.2874, 0.3780



82.8754, 0.2831, 0.3897



87.3381, 0.2675, 0.3319



20.3139, 0.3050, 0.3416



38.1448, 0.2743, 0.5074



3.7360, 0.2684, 0.4861



# Inverse Universe

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



55.6889, 0.3493, 0.2849



49.3971, 0.3594, 0.2760



53.8670, 0.3860, 0.3263



18.1444, 0.3212, 0.3167



12.0130, 0.4886, 0.2465

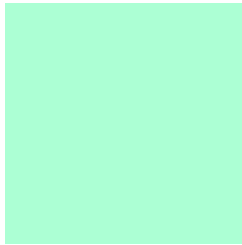


1.1918, 0.4642, 0.2331



# Previews

## White Background



This preview shows how the Yxy color 85.0441, 0.2874, 0.3780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

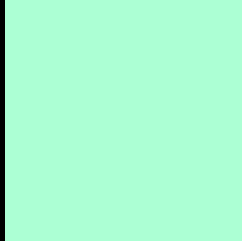
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.0441, 0.2874, 0.3780 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 85.0441, 0.2874, 0.3780**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.0441, 0.2874, 0.3780.

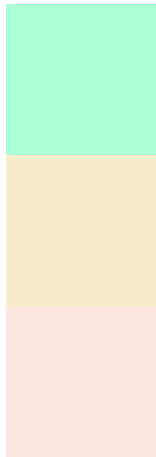


This preview shows how white text looks on a background with the Yxy color 85.0441, 0.2874, 0.3780.

# 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

85.0441, 0.2874, 0.3780

### Protanopia

84.2116, 0.3428, 0.3637

### Deuteranopia

83.8481, 0.3333, 0.3350



## Tritanopia

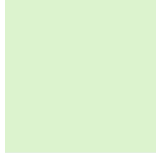
84.7311, 0.2842, 0.3164

# Trichromacy



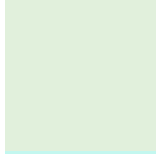
## Original Color

85.0441, 0.2874, 0.3780



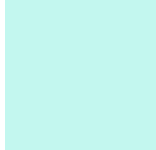
## Protanomaly

83.7731, 0.3200, 0.3687



## Deuteranomaly

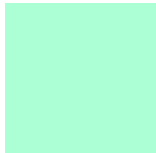
83.4950, 0.3150, 0.3501



## Tritanomaly

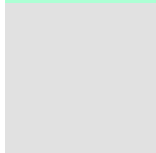
84.3556, 0.2855, 0.3376

# Monochromacy



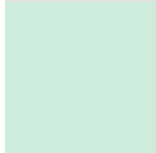
## Original Color

85.0441, 0.2874, 0.3780



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

78.2800, 0.3027, 0.3466

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.0441, 0.2874, 0.3780 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(172, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 212)  
}
```

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(172, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 85.0441, 0.2874, 0.3780 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(172, 255, 212) }
```

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

```
.border{ border-color:rgb(172, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.0441, 0.2874, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 212) }
```

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

```
.background{ background-color: rgb(172,  
255, 212) }
```

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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