

# Converting Colors

$Yxy(85.1832, 0.2976, 0.3925)$

Have a look what the booklet for  
Yxy(85.1832, 0.2976, 0.3925)  
contains.

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# Color

**Yxy(85.2272, 0.2980, 0.3928)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | B3FFC7                       |
| RGB         | 179, 255, 199                |
| RGB Percent | 70%, 100%, 78%               |
| CMY         | 0.2981, 0.0000, 0.2195       |
| CMYK        | 0.30, 0.00, 0.22, 0.00       |
| HSL         | 136°, 100%, 85%              |
| HSV         | 136°, 30%, 100%              |
| XYZ         | 64.6581, 85.2272, 67.0882    |
| YIQ         | 225.8920, -27.3200, -33.5280 |

# Conversions

## Conversions Part 2

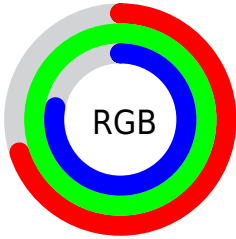
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 179, 239, 255                   |
| Decimal                             | 11796423                        |
| CIELab                              | 93.98, -34.31, 19.44            |
| CIElCh                              | 94, 39.436, 150.472             |
| Yxy                                 | 85.2272, 0.2980,<br>0.3928      |
| Android<br>(android.graphics.Color) | 4289986503<br>(0xFFB3FFC7)      |
| YUV                                 | 225.8920, -13.2578,<br>-41.1243 |
| Hunter-Lab                          | 92.3186, -36.5396,<br>21.5368   |

# Details

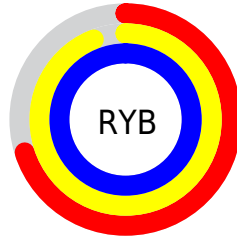
The Yxy color **85.2272, 0.2980, 0.3928** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.4897, 0.3318, 0.2728**, and the grayscale version is **76.0812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **46.7176, 0.2939, 0.4085** is the 20% darker color. If you saturate the color by 10%, you get **81.6448, 0.2937, 0.4188**, and if you desaturate by 10%, it is **89.4774, 0.3028, 0.3690**.

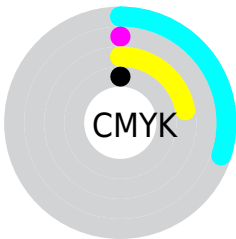
# Distribution



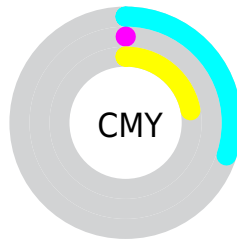
- Red (70%)
- Green (100%)
- Blue (78%)



- Red (70%)
- Yellow (94%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2272, 0.2980, 0.3928 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 85.2272, 0.2980, 0.3928 by changing the saturation by 10% instead.




 85.2272, 0.2980,  
0.3928

 85.2272, 0.2980,  
0.3928

512.3796, 0.3053,  
0.3628

 64.0291, 0.2962,  
0.3998


 140.6906, 0.3006,  
0.3823

 46.6743, 0.2940,  
0.4084


175.7246, 0.3016,  
0.3783

 32.7782, 0.2911,  
0.4194


216.1395, 0.3024,  
0.3748

 21.9566, 0.2871,  
0.4339

262.3196, 0.3032,  
0.3717

 13.8250, 0.2814,  
0.4539

314.6492, 0.3038,  
0.3691

 7.9991, 0.2728,  
0.4830


373.5128, 0.3043,


 4.0943, 0.2582,

0.3668

0.5287


439.2948, 0.3048,  
0.3647

 1.7265, 0.2358,  
0.6427

 0.4407, 0.0000,  
1.0000

 85.2272, 0.2980,  
0.3928


 85.2272, 0.2980,  
0.3928

 81.6448, 0.2937,  
0.4188


 89.4774, 0.3028,  
0.3690

 78.6977, 0.2901,  
0.4465

 94.4302, 0.3078,  
0.3476

 76.3469, 0.2876,  
0.4750

100.0000, 0.3127,  
0.3290

 74.5501, 0.2865,  
0.5031

■ 73.2591, 0.2869,  
0.5293

■ 72.4170, 0.2888,  
0.5521

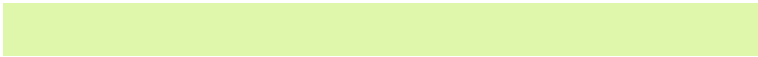
■ 71.9354, 0.2919,  
0.5706

■ 71.9279, 0.2919,  
0.5709

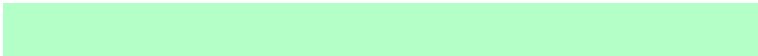
# Harmonies

## Analogous

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



85.2272, 0.3427, 0.4103



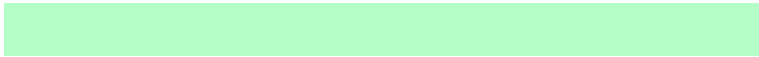
85.2272, 0.2980, 0.3928



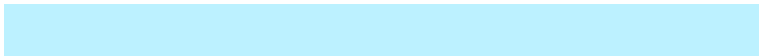
85.2272, 0.2591, 0.3537

# Triad

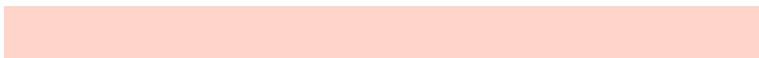
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2272, 0.2980, 0.3928



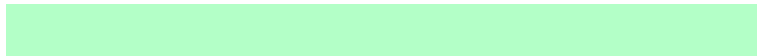
85.2272, 0.2460, 0.2583



85.2272, 0.3967, 0.3391

# Complementary

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



85.2272, 0.2980, 0.3928



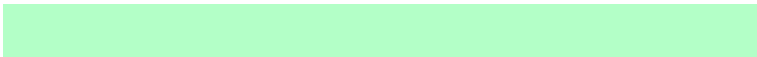
59.4897, 0.3318, 0.2728

# 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.



85.2272, 0.3670, 0.3038



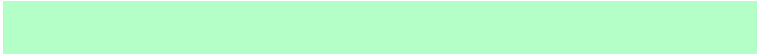
85.2272, 0.2980, 0.3928



85.2272, 0.2786, 0.2590

# Square

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



85.2272, 0.2980, 0.3928



85.2272, 0.2308, 0.2754



85.2272, 0.3228, 0.2754

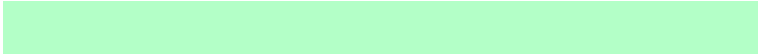


85.2272, 0.4015, 0.3745



# Rectangle

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



85.2272, 0.2980, 0.3928



85.2272, 0.2412, 0.3237



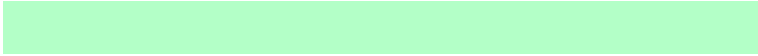
85.2272, 0.3228, 0.2754



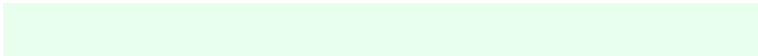
85.2272, 0.3892, 0.3270

# Sweetspot

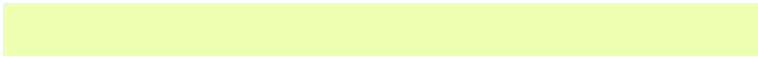
The Sweet Spot groups the original color and five complimentary colors.



85.2264, 0.2980, 0.3928



94.8631, 0.3082, 0.3460



92.6062, 0.3450, 0.4071



20.1389, 0.3075, 0.3489



0.0000, 0.0000, 0.0000

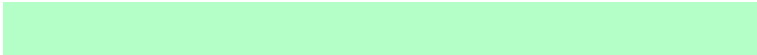


21.4041, 0.3127, 0.3290

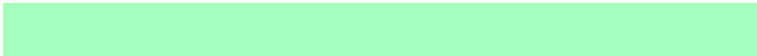


# Same Dimension

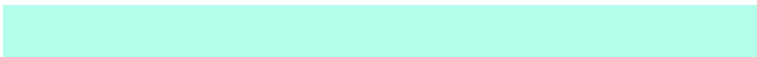
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2264, 0.2980, 0.3928



82.9327, 0.2953, 0.4087



87.1577, 0.2789, 0.3498



20.2468, 0.3079, 0.3470



37.6046, 0.2912, 0.5682



3.6785, 0.2852, 0.5467



# Inverse Universe

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



59.4897, 0.3318, 0.2728



53.2837, 0.3368, 0.2610



57.5705, 0.3630, 0.3094



18.2138, 0.3179, 0.3117



13.0269, 0.4014, 0.1985

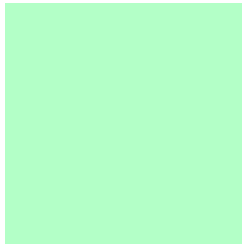


1.2864, 0.3901, 0.1923



# Previews

## White Background



This preview shows how the Yxy color 85.2272, 0.2980, 0.3928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

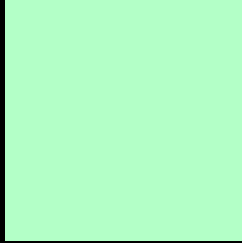
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.2272, 0.2980, 0.3928 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 85.2272, 0.2980, 0.3928**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.2272, 0.2980, 0.3928.

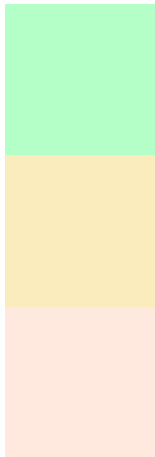


This preview shows how white text looks on a background with the Yxy color 85.2272, 0.2980, 0.3928.

# 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

85.2272, 0.2980, 0.3928

### Protanopia

84.2178, 0.3529, 0.3758

### Deuteranopia

84.1937, 0.3358, 0.3400



## **Tritanopia**

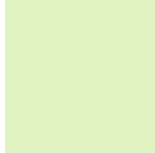
85.1701, 0.2860, 0.3165

# Trichromacy



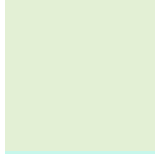
## Original Color

85.2272, 0.2980, 0.3928



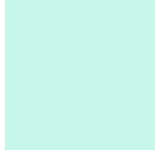
## Protanomaly

83.9590, 0.3313, 0.3825



## Deuteranomaly

83.4552, 0.3207, 0.3575



## Tritanomaly

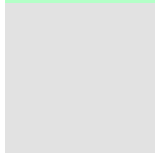
84.6618, 0.2900, 0.3419

# Monochromacy



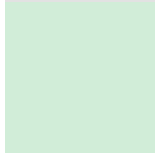
## Original Color

85.2272, 0.2980, 0.3928



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.0816, 0.3070, 0.3520

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.2272, 0.2980, 0.3928 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(179, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 199)  
}
```

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(179, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 85.2272, 0.2980, 0.3928 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(179, 255, 199) }
```

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

```
.border{ border-color:rgb(179, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.2272, 0.2980, 0.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 199) }
```

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

```
.background{ background-color: rgb(179,  
255, 199) }
```

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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