

Converting Colors

$Yxy(85.6128, 0.2960, 0.3866)$

Have a look what the booklet for
Yxy(85.6128, 0.2960, 0.3866)
contains.

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Color

Yxy(85.5829, 0.2959, 0.3868)

Conversions

Conversions Part 1

Format	Color
Hex	B4FFCC
RGB	180, 255, 204
RGB Percent	71%, 100%, 80%
CMY	0.2944, 0.0000, 0.1999
CMYK	0.29, 0.00, 0.20, 0.00
HSL	139°, 100%, 85%
HSV	139°, 29%, 100%
XYZ	65.4705, 85.5829, 70.2054
YIQ	226.7610, -28.3290, -31.7610

Conversions

Conversions Part 2

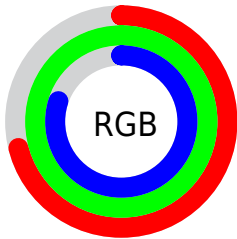
Format	Color
RYB	180, 237, 255
Decimal	11861964
CIELab	94.13, -33.14, 17.10
CIELCh	94, 37.291, 152.701
Yxy	85.5829, 0.2959, 0.3868
Android (android.graphics.Color)	4290052044 (0xFFB4FFCC)
YUV	226.7610, -11.2212, -41.0094
Hunter-Lab	92.5110, -35.5690, 19.7633

Details

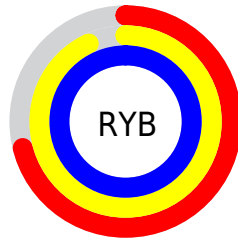
The Yxy color **85.5829, 0.2959, 0.3868** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.6384, 0.3349, 0.2776**, and the grayscale version is **76.7163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **46.9501, 0.2914, 0.4005** is the 20% darker color. If you saturate the color by 10%, you get **82.0073, 0.2909, 0.4106**, and if you desaturate by 10%, it is **89.7986, 0.3014, 0.3650**.

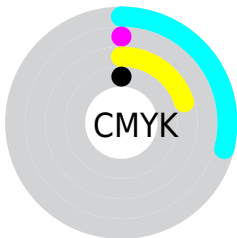
Distribution



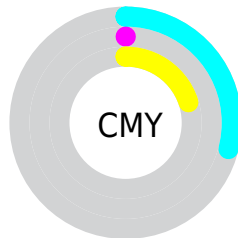
- Red (71%)
- Green (100%)
- Blue (80%)



- Red (71%)
- Yellow (93%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5829, 0.2959, 0.3868 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 85.5829, 0.2959, 0.3868 by changing the saturation by 10% instead.


 85.5829, 0.2959,
0.3868

 85.5829, 0.2959,
0.3868

513.5549, 0.3040,
0.3597

 64.3231, 0.2940,
0.3931


 141.1873, 0.2988,
0.3773

 46.9124, 0.2916,
0.4008


176.3007, 0.2999,
0.3737

 32.9664, 0.2885,
0.4107


216.8008, 0.3008,
0.3705

 22.1007, 0.2843,
0.4237


263.0719, 0.3016,
0.3678

 13.9309, 0.2784,
0.4416

315.4985, 0.3023,
0.3654

 8.0726, 0.2697,
0.4676


374.4649, 0.3030,


 4.1415, 0.2553,


0.3633


0.5084

440.3556, 0.3035,
0.3614


 1.7530, 0.2308,
0.5964

 0.4576, 0.0000,
1.0000


 85.5829, 0.2959,
0.3868


 85.5829, 0.2959,
0.3868

 82.0073, 0.2909,
0.4106


 89.7986, 0.3014,
0.3650

 79.0606, 0.2868,
0.4361

 94.7087, 0.3072,
0.3454

 76.6982, 0.2839,
0.4625

100.0000, 0.3127,
0.3290

 74.8789, 0.2824,
0.4890

■ 73.5560, 0.2827,
0.5143

■ 72.6744, 0.2847,
0.5372

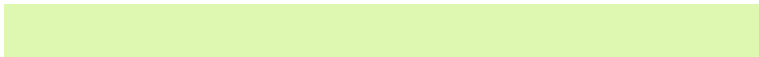
■ 72.1506, 0.2881,
0.5568

■ 72.1265, 0.2883,
0.5578

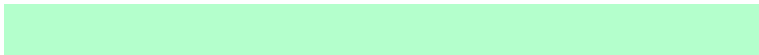
Harmonies

Analogous

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



85.5829, 0.3382, 0.4052



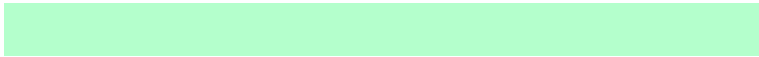
85.5829, 0.2959, 0.3868



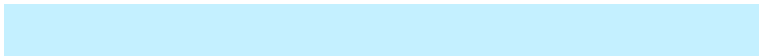
85.5829, 0.2598, 0.3493

Triad

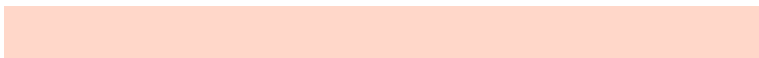
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5829, 0.2959, 0.3868



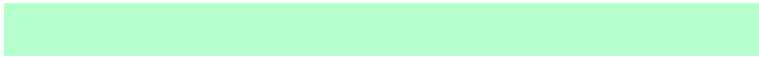
85.5829, 0.2513, 0.2615



85.5829, 0.3931, 0.3414

Complementary

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



85.5829, 0.2959, 0.3868



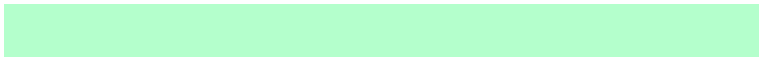
59.6384, 0.3349, 0.2776

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.



85.5829, 0.3667, 0.3076



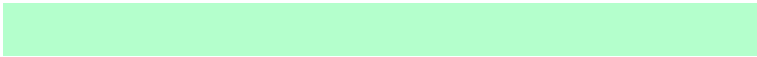
85.5829, 0.2959, 0.3868



85.5829, 0.2834, 0.2632

Square

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



85.5829, 0.2959, 0.3868



85.5829, 0.2355, 0.2766



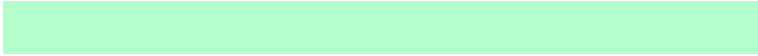
85.5829, 0.3256, 0.2798



85.5829, 0.3959, 0.3746

Rectangle

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



85.5829, 0.2959, 0.3868



85.5829, 0.2436, 0.3211



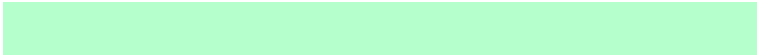
85.5829, 0.3256, 0.2798



85.5829, 0.3867, 0.3298

Sweetspot

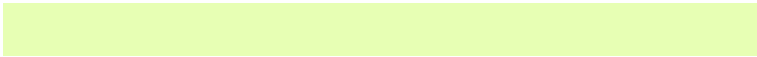
The Sweet Spot groups the original color and five complimentary colors.



85.5753, 0.2959, 0.3868



94.9407, 0.3074, 0.3446



91.8392, 0.3413, 0.4070



20.1579, 0.3066, 0.3473



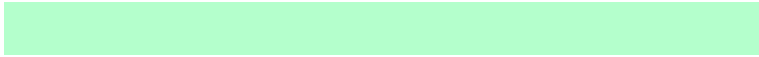
0.0000, 0.0000, 0.0000



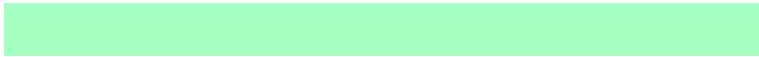
21.4041, 0.3127, 0.3290

Same Dimension

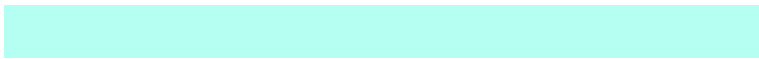
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5753, 0.2959, 0.3868



83.5125, 0.2930, 0.3998



87.5799, 0.2768, 0.3439



20.2642, 0.3072, 0.3456



37.7117, 0.2875, 0.5549



3.6908, 0.2812, 0.5323

Inverse Universe

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



59.6384, 0.3349, 0.2776



53.9525, 0.3404, 0.2677



57.7552, 0.3666, 0.3148



18.1954, 0.3187, 0.3130



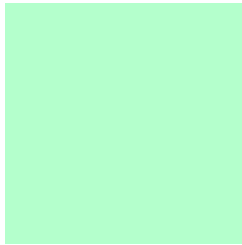
12.7173, 0.4228, 0.2103



1.2582, 0.4083, 0.2023

Previews

White Background



This preview shows how the Yxy color 85.5829, 0.2959, 0.3868 looks on a white background.

Color Contrast Check

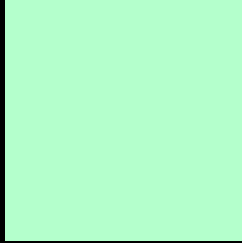
Large Text (above 18pt) WCAG AA × Fail

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 85.5829, 0.2959, 0.3868 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

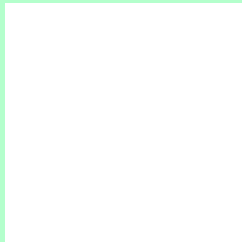
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5829, 0.2959, 0.3868

Background



This preview shows how black text looks on a background with the Yxy color 85.5829, 0.2959, 0.3868.

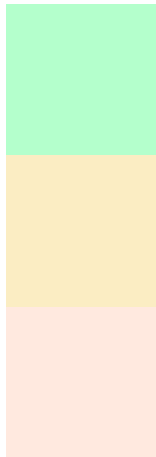


This preview shows how white text looks on a background with the Yxy color 85.5829, 0.2959, 0.3868.

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

85.5829, 0.2959, 0.3868

Protanopia

85.0177, 0.3493, 0.3716

Deuteranopia

84.8655, 0.3343, 0.3390



Tritanopia

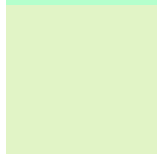
85.3182, 0.2866, 0.3165

Trichromacy



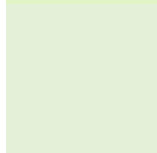
Original Color

85.5829, 0.2959, 0.3868



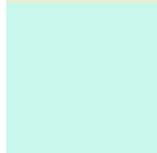
Protanomaly

84.7861, 0.3281, 0.3780



Deuteranomaly

84.3624, 0.3194, 0.3553



Tritanomaly

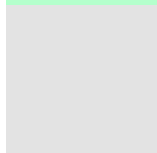
84.8570, 0.2900, 0.3408

Monochromacy



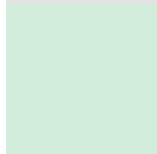
Original Color

85.5829, 0.2959, 0.3868



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3845, 0.3059, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5829, 0.2959, 0.3868 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 85.5829, 0.2959, 0.3868 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, 204) }
```

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

```
.border{ border-color:rgb(180, 255, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5829, 0.2959, 0.3868 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, 204) }
```

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

```
.background{ background-color: rgb(180,  
255, 204) }
```

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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