

Converting Colors

$Yxy(85.4836, 0.2952, 0.3864)$

Have a look what the booklet for
Yxy(85.4836, 0.2952, 0.3864)
contains.

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Color

Yxy(85.4633, 0.2954, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFCC
RGB	179, 255, 204
RGB Percent	70%, 100%, 80%
CMY	0.2980, 0.0000, 0.2000
CMYK	0.30, 0.00, 0.20, 0.00
HSL	140°, 100%, 85%
HSV	140°, 30%, 100%
XYZ	65.2516, 85.4633, 70.1775
YIQ	226.4620, -28.9250, -31.9730

Conversions

Conversions Part 2

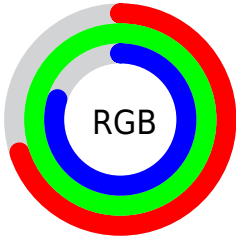
Format	Color
RYB	179, 236, 255
Decimal	11796428
CIELab	94.08, -33.41, 17.04
CIElCh	94, 37.503, 152.980
Yxy	85.4633, 0.2954, 0.3869
Android (android.graphics.Color)	4289986508 (0xFFB3FFCC)
YUV	226.4620, -11.0738, -41.6242
Hunter-Lab	92.4464, -35.7901, 19.7044

Details

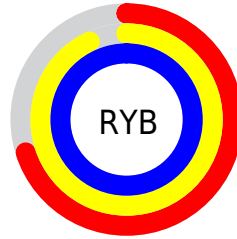
The Yxy color **85.4633, 0.2954, 0.3869** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.2229, 0.3357, 0.2775**, and the grayscale version is **76.5058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **46.8753, 0.2907, 0.4007** is the 20% darker color. If you saturate the color by 10%, you get **81.9254, 0.2904, 0.4105**, and if you desaturate by 10%, it is **89.6574, 0.3010, 0.3653**.

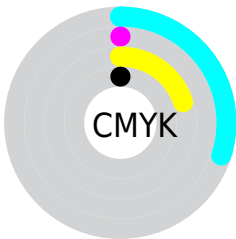
Distribution



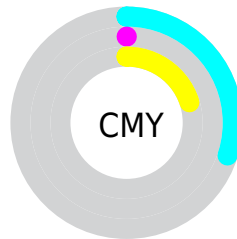
- Red (70%)
- Green (100%)
- Blue (80%)



- Red (70%)
- Yellow (93%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4633, 0.2954, 0.3869 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 85.4633, 0.2954, 0.3869 by changing the saturation by 10% instead.


 85.4633, 0.2954,
0.3869

 85.4633, 0.2954,
0.3869


513.1599, 0.3037,
0.3598

 64.2243, 0.2934,
0.3932


 141.0203, 0.2983,
0.3774

 46.8323, 0.2909,
0.4010


176.1070, 0.2995,
0.3738

 32.9031, 0.2878,
0.4109


216.5785, 0.3004,
0.3706

 22.0522, 0.2835,
0.4239

262.8190, 0.3013,
0.3679

 13.8953, 0.2775,
0.4419

315.2130, 0.3020,
0.3655

 8.0479, 0.2686,
0.4679

374.1449, 0.3026,

 4.1256, 0.2539,

0.3633

0.5090

439.9990, 0.3032,
0.3615

1.7441, 0.2284,
0.5980

0.4519, 0.0000,
1.0000

85.4633, 0.2954,
0.3869

85.4633, 0.2954,
0.3869

81.9254, 0.2904,
0.4105

89.6574, 0.3010,
0.3653

79.0037, 0.2862,
0.4357

94.5329, 0.3069,
0.3459

76.6631, 0.2833,
0.4619

100.0000, 0.3127,
0.3290

74.8625, 0.2819,
0.4881

■ 73.5549, 0.2822,
0.5132

■ 72.6849, 0.2843,
0.5360

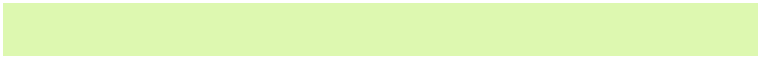
■ 72.1660, 0.2877,
0.5555

■ 72.1571, 0.2877,
0.5558

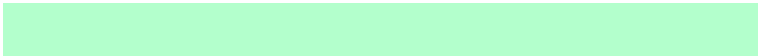
Harmonies

Analogous

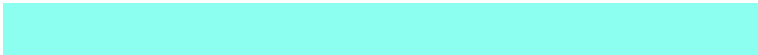
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4633, 0.3379, 0.4057



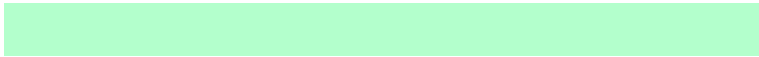
85.4633, 0.2954, 0.3869



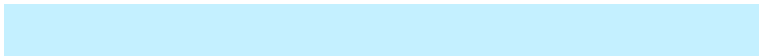
85.4633, 0.2592, 0.3490

Triad

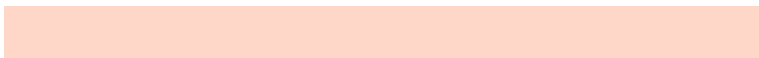
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4633, 0.2954, 0.3869



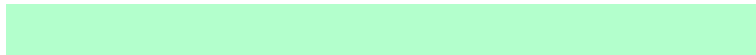
85.4633, 0.2512, 0.2610



85.4633, 0.3938, 0.3417

Complementary

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



85.4633, 0.2954, 0.3869



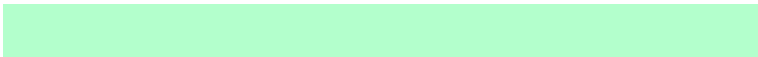
59.2229, 0.3357, 0.2775

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.



85.4633, 0.3674, 0.3078



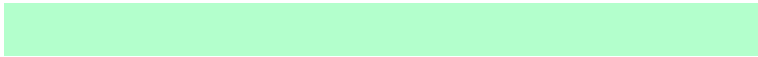
85.4633, 0.2954, 0.3869



85.4633, 0.2836, 0.2629

Square

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



85.4633, 0.2954, 0.3869



85.4633, 0.2351, 0.2760



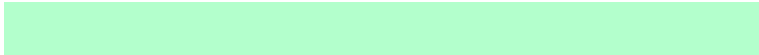
85.4633, 0.3261, 0.2797



85.4633, 0.3964, 0.3751

Rectangle

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



85.4633, 0.2954, 0.3869



85.4633, 0.2430, 0.3207



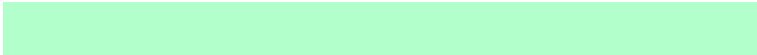
85.4633, 0.3261, 0.2797



85.4633, 0.3874, 0.3301

Sweetspot

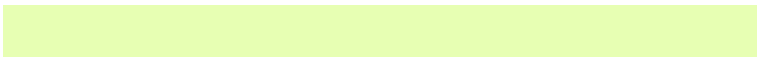
The Sweet Spot groups the original color and five complimentary colors.



85.4653, 0.2954, 0.3869



94.9513, 0.3073, 0.3445



91.7544, 0.3416, 0.4080



20.1605, 0.3065, 0.3471



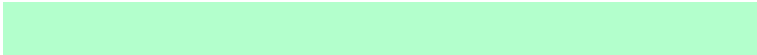
0.0000, 0.0000, 0.0000



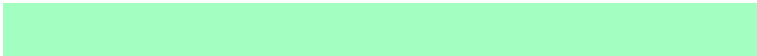
21.4041, 0.3127, 0.3290

Same Dimension

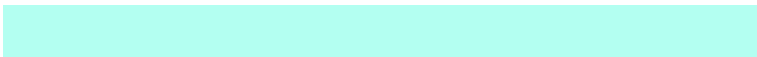
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4653, 0.2954, 0.3869



83.1945, 0.2922, 0.4013



87.4612, 0.2764, 0.3441



20.2666, 0.3070, 0.3454



37.7280, 0.2869, 0.5529



3.6926, 0.2806, 0.5303

Inverse Universe

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



59.2229, 0.3357, 0.2775



52.9523, 0.3420, 0.2666



57.3562, 0.3674, 0.3146



18.1929, 0.3189, 0.3132



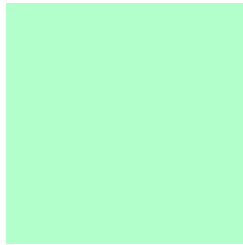
12.6777, 0.4259, 0.2120



1.2546, 0.4108, 0.2037

Previews

White Background



This preview shows how the Yxy color 85.4633, 0.2954, 0.3869 looks on a white background.

Color Contrast Check

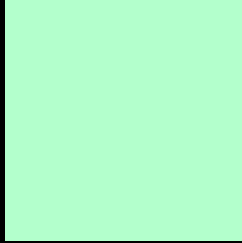
Large Text (above 18pt) WCAG AA × Fail

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 85.4633, 0.2954, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

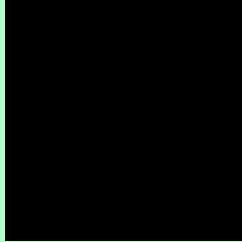
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.4633, 0.2954, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 85.4633, 0.2954, 0.3869.

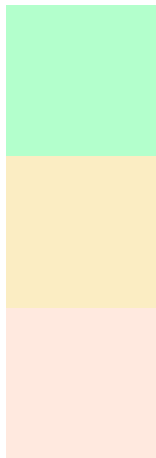


This preview shows how white text looks on a background with the Yxy color 85.4633, 0.2954, 0.3869.

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

85.4633, 0.2954, 0.3869

Protanopia

85.0177, 0.3493, 0.3716

Deuteranopia

84.8655, 0.3343, 0.3390



Tritanopia

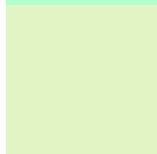
85.1701, 0.2860, 0.3165

Trichromacy



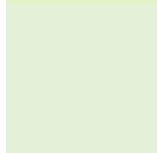
Original Color

85.4633, 0.2954, 0.3869



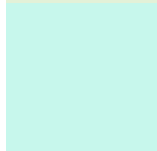
Protanomaly

84.7861, 0.3281, 0.3780



Deuteranomaly

84.1994, 0.3187, 0.3553



Tritanomaly

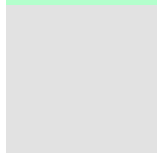
84.7198, 0.2894, 0.3408

Monochromacy



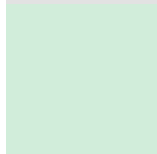
Original Color

85.4633, 0.2954, 0.3869



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1856, 0.3058, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4633, 0.2954, 0.3869 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 85.4633, 0.2954, 0.3869 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, 204) }
```

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

```
.border{ border-color:rgb(179, 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(179, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4633, 0.2954, 0.3869 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, 204) }
```

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

```
.background{ background-color: rgb(179,  
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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