

Converting Colors

$Yxy(85.2847, 0.2964, 0.3899)$

Have a look what the booklet for
Yxy(85.2847, 0.2964, 0.3899)
contains.

Yxy(85.2492, 0.2959, 0.3894)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.2492, 0.2959, 0.3894)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFCA
RGB	178, 255, 202
RGB Percent	70%, 100%, 79%
CMY	0.3019, 0.0000, 0.2080
CMYK	0.30, 0.00, 0.21, 0.00
HSL	139°, 100%, 85%
HSV	139°, 30%, 100%
XYZ	64.7798, 85.2492, 68.8955
YIQ	225.9350, -28.8790, -32.8070

Conversions

Conversions Part 2

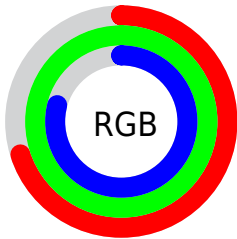
Format	Color
RYB	178, 237, 255
Decimal	11730890
CIELab	93.99, -34.08, 17.94
CIELCh	94, 38.511, 152.240
Yxy	85.2492, 0.2959, 0.3894
Android (android.graphics.Color)	4289920970 (0xFFB2FFCA)
YUV	225.9350, -11.8000, -42.0390
Hunter-Lab	92.3305, -36.3414, 20.3901

Details

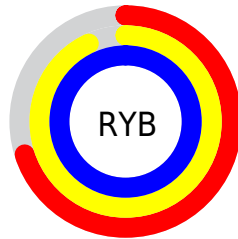
The Yxy color **85.2492, 0.2959, 0.3894** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.8794, 0.3350, 0.2755**, and the grayscale version is **76.1065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **46.7372, 0.2913, 0.4039** is the 20% darker color. If you saturate the color by 10%, you get **81.7228, 0.2911, 0.4137**, and if you desaturate by 10%, it is **89.4317, 0.3013, 0.3671**.

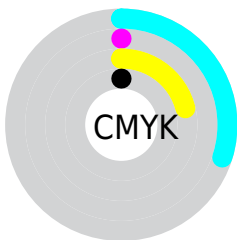
Distribution



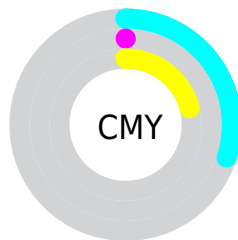
- Red (70%)
- Green (100%)
- Blue (79%)



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



- Cyan (30%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2492, 0.2959, 0.3894 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 85.2492, 0.2959, 0.3894 by changing the saturation by 10% instead.

 85.2492, 0.2959,
0.3894

 85.2492, 0.2959,
0.3894


512.4523, 0.3041,
0.3610

 64.0473, 0.2940,
0.3960


 140.7213, 0.2988,
0.3795

 46.6890, 0.2915,
0.4041


175.7603, 0.2999,
0.3757

 32.7899, 0.2883,
0.4145


216.1804, 0.3008,
0.3724

 21.9655, 0.2841,
0.4282

262.3661, 0.3017,
0.3695

 13.8316, 0.2781,
0.4470

314.7018, 0.3024,
0.3670

 8.0036, 0.2690,
0.4744


373.5717, 0.3030,

 4.0973, 0.2541,


0.3648


0.5177

439.3605, 0.3036,
0.3628


 1.7281, 0.2286,
0.6170


 0.4418, 0.0000,
1.0000


 85.2492, 0.2959,
0.3894


 85.2492, 0.2959,
0.3894


 81.7228, 0.2911,
0.4137

 89.4317, 0.3013,
0.3671


 78.8171, 0.2871,
0.4397

 94.3009, 0.3069,
0.3471

 76.4950, 0.2844,
0.4665

 99.8868, 0.3126,
0.3293

 74.7149, 0.2831,
0.4932

 100.0000, 0.3127,
0.3290

■ 73.4292, 0.2835,
0.5186

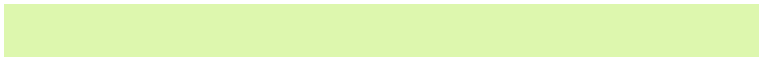
■ 72.5819, 0.2857,
0.5414

■ 72.0894, 0.2889,
0.5602

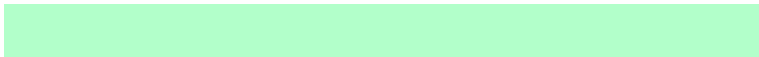
Harmonies

Analogous

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



85.2492, 0.3396, 0.4080



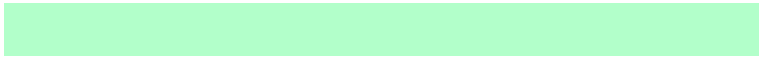
85.2492, 0.2959, 0.3894



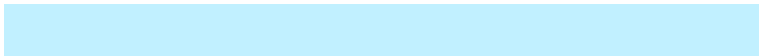
85.2492, 0.2585, 0.3506

Triad

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



85.2492, 0.2959, 0.3894



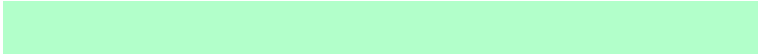
85.2492, 0.2489, 0.2594



85.2492, 0.3957, 0.3411

Complementary

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



85.2492, 0.2959, 0.3894



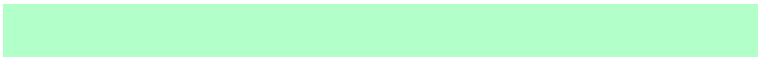
58.8794, 0.3350, 0.2755

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.



85.2492, 0.3680, 0.3063



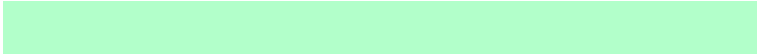
85.2492, 0.2959, 0.3894



85.2492, 0.2818, 0.2610

Square

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



85.2492, 0.2959, 0.3894



85.2492, 0.2330, 0.2752



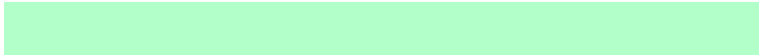
85.2492, 0.3253, 0.2779



85.2492, 0.3989, 0.3754

Rectangle

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



85.2492, 0.2959, 0.3894



85.2492, 0.2416, 0.3214



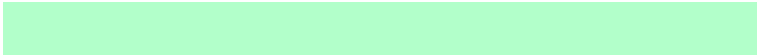
85.2492, 0.3253, 0.2779



85.2492, 0.3889, 0.3292

Sweetspot

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



85.2495, 0.2959, 0.3894



94.9274, 0.3076, 0.3449



91.8749, 0.3428, 0.4088



20.1547, 0.3067, 0.3476



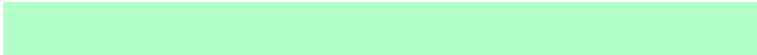
0.0000, 0.0000, 0.0000



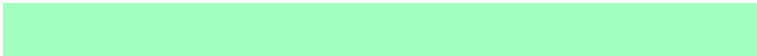
21.4041, 0.3127, 0.3290

Same Dimension

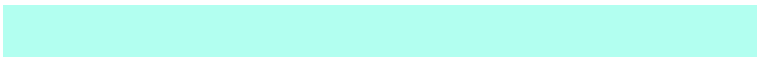
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2495, 0.2959, 0.3894



83.1228, 0.2930, 0.4033



87.2546, 0.2766, 0.3458



20.2612, 0.3073, 0.3458



37.6917, 0.2881, 0.5573



3.6886, 0.2819, 0.5349

Inverse Universe

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



58.8794, 0.3350, 0.2755



53.0406, 0.3406, 0.2651



56.9758, 0.3673, 0.3131



18.1985, 0.3186, 0.3128



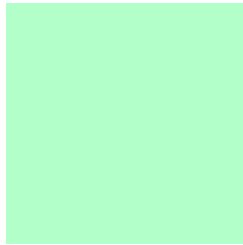
12.7679, 0.4191, 0.2082



1.2628, 0.4051, 0.2005

Previews

White Background



This preview shows how the Yxy color 85.2492, 0.2959, 0.3894 looks on a white background.

Color Contrast Check

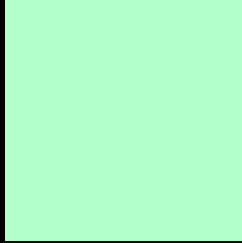
Large Text (above 18pt) WCAG AA × Fail

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 85.2492, 0.2959, 0.3894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

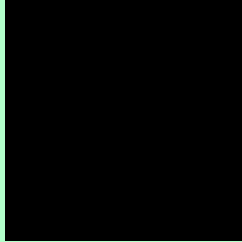
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

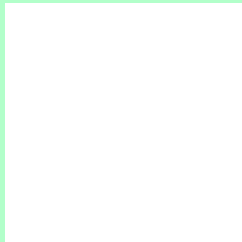
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.2492, 0.2959, 0.3894

Background



This preview shows how black text looks on a background with the Yxy color 85.2492, 0.2959, 0.3894.

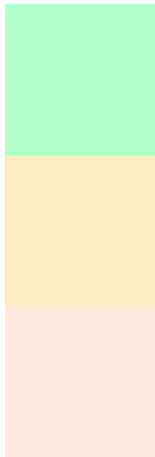


This preview shows how white text looks on a background with the Yxy color 85.2492, 0.2959, 0.3894.

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

85.2492, 0.2959, 0.3894

Protanopia

84.3504, 0.3509, 0.3727

Deuteranopia

84.2472, 0.3351, 0.3390



Tritanopia

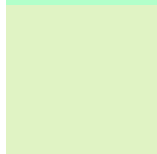
85.0228, 0.2854, 0.3164

Trichromacy



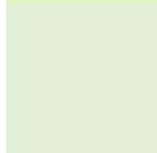
Original Color

85.2492, 0.2959, 0.3894



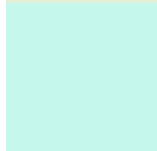
Protanomaly

83.9340, 0.3288, 0.3793



Deuteranomaly

83.5574, 0.3194, 0.3554



Tritanomaly

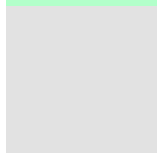
84.5834, 0.2889, 0.3408

Monochromacy



Original Color

85.2492, 0.2959, 0.3894



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1334, 0.3064, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2492, 0.2959, 0.3894 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(178, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 202)  
}
```

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(178, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 202) }
```

Border

The CSS property to change the border of an element to Yxy 85.2492, 0.2959, 0.3894 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(178, 255, 202) }
```

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

```
.border{ border-color:rgb(178, 255, 202) }
```

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

Here you see how a box with a 4 pixel rgb(178, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2492, 0.2959, 0.3894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 202) }
```

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

```
.background{ background-color: rgb(178,  
255, 202) }
```

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