

Converting Colors

$Yxy(84.9832, 0.2999, 0.3977)$

Have a look what the booklet for
Yxy(84.9832, 0.2999, 0.3977)
contains.

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Color

Yxy(85.0438, 0.3001, 0.3976)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFC3
RGB	179, 255, 195
RGB Percent	70%, 100%, 76%
CMY	0.2983, 0.0000, 0.2353
CMYK	0.30, 0.00, 0.24, 0.00
HSL	133°, 100%, 85%
HSV	133°, 30%, 100%
XYZ	64.1892, 85.0438, 64.6598
YIQ	225.4360, -26.0360, -34.7720

Conversions

Conversions Part 2

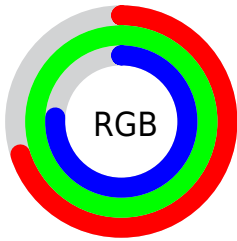
Format	Color
RYB	179, 242, 255
Decimal	11796419
CIELab	93.90, -35.04, 21.38
CIELCh	94, 41.046, 148.611
Yxy	85.0438, 0.3001, 0.3976
Android (android.graphics.Color)	4289986499 (0xFFB3FFC3)
YUV	225.4360, -15.0049, -40.7244
Hunter-Lab	92.2192, -37.1385, 22.9820

Details

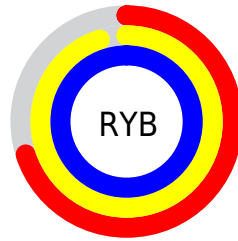
The Yxy color **85.0438, 0.3001, 0.3976** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.7030, 0.3286, 0.2690**, and the grayscale version is **75.7341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3811, 0.3028, 0.3319**, and **46.5963, 0.2965, 0.4148** is the 20% darker color. If you saturate the color by 10%, you get **81.4254, 0.2963, 0.4255**, and if you desaturate by 10%, it is **89.3313, 0.3042, 0.3720**.

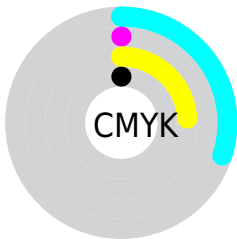
Distribution



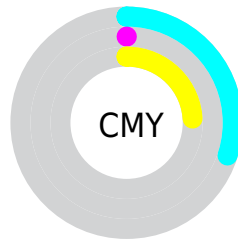
- Red (70%)
- Green (100%)
- Blue (76%)



- Red (70%)
- Yellow (95%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0438, 0.3001, 0.3976 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 85.0438, 0.3001, 0.3976 by changing the saturation by 10% instead.


 85.0438, 0.3001,
0.3976

 85.0438, 0.3001,
0.3976


511.7730, 0.3065,
0.3653

 63.8776, 0.2985,
0.4051


 140.4344, 0.3024,
0.3863

 46.5515, 0.2964,
0.4144

175.4275, 0.3033,
0.3819

 32.6813, 0.2937,
0.4264


215.7984, 0.3041,
0.3782

 21.8824, 0.2900,
0.4421

261.9314, 0.3047,
0.3749

 13.7705, 0.2845,
0.4637

314.2110, 0.3052,
0.3720

 7.9612, 0.2760,
0.4951


373.0215, 0.3057,


 4.0701, 0.2613,


0.3695


0.5445


438.7474, 0.3061,
0.3673


 1.7129, 0.2428,
0.6848


 0.4320, 0.0000,
1.0000


 85.0438, 0.3001,
0.3976


 85.0438, 0.3001,
0.3976

 81.4254, 0.2963,
0.4255


 89.3313, 0.3042,
0.3720

 78.4631, 0.2932,
0.4551

 94.3439, 0.3085,
0.3490

 76.1099, 0.2910,
0.4853

100.0000, 0.3127,
0.3290

 74.3223, 0.2900,
0.5146

■ 73.0510, 0.2904,
0.5413

■ 72.2374, 0.2920,
0.5636

■ 71.7910, 0.2946,
0.5805

■ 71.7849, 0.2946,
0.5807

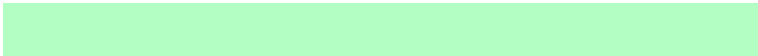
Harmonies

Analogous

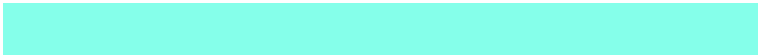
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0438, 0.3465, 0.4140



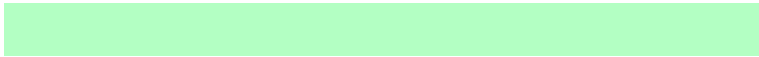
85.0438, 0.3001, 0.3976



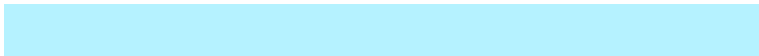
85.0438, 0.2590, 0.3577

Triad

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



85.0438, 0.3001, 0.3976



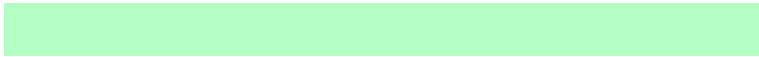
85.0438, 0.2419, 0.2561



85.0438, 0.3990, 0.3369

Complementary

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



85.0438, 0.3001, 0.3976



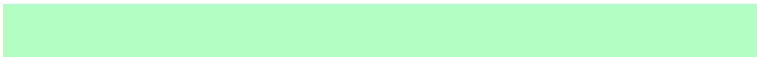
59.7030, 0.3286, 0.2690

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.



85.0438, 0.3667, 0.3007



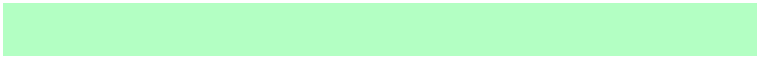
85.0438, 0.3001, 0.3976



85.0438, 0.2747, 0.2558

Square

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



85.0438, 0.3001, 0.3976



85.0438, 0.2274, 0.2748



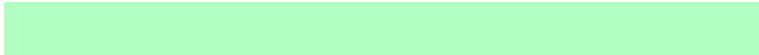
85.0438, 0.3201, 0.2719



85.0438, 0.4057, 0.3739

Rectangle

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



85.0438, 0.3001, 0.3976



85.0438, 0.2398, 0.3262



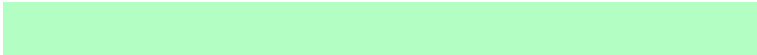
85.0438, 0.3201, 0.2719



85.0438, 0.3907, 0.3244

Sweetspot

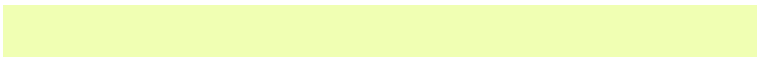
The Sweet Spot groups the original color and five complimentary colors.



85.0362, 0.3001, 0.3976



94.7925, 0.3089, 0.3472



93.2602, 0.3476, 0.4065



20.1217, 0.3082, 0.3504



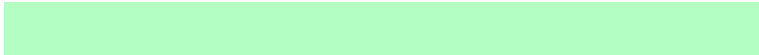
0.0000, 0.0000, 0.0000



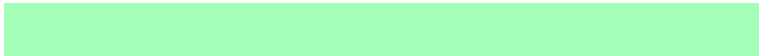
21.4041, 0.3127, 0.3290

Same Dimension

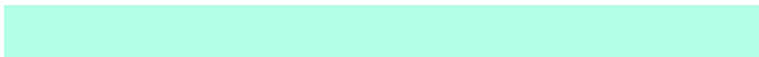
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0362, 0.3001, 0.3976



82.7293, 0.2977, 0.4146



86.9326, 0.2808, 0.3541



20.2309, 0.3087, 0.3483



37.5266, 0.2940, 0.5784



3.6689, 0.2885, 0.5585

Inverse Universe

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



59.7030, 0.3286, 0.2690



53.5592, 0.3327, 0.2566



57.7274, 0.3597, 0.3054



18.2308, 0.3171, 0.3104



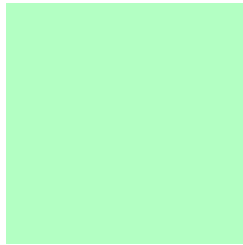
13.3387, 0.3830, 0.1883



1.3144, 0.3745, 0.1836

Previews

White Background



This preview shows how the Yxy color 85.0438, 0.3001, 0.3976 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 85.0438, 0.3001, 0.3976 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

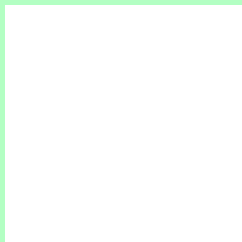
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0438, 0.3001, 0.3976

Background



This preview shows how black text looks on a background with the Yxy color 85.0438, 0.3001, 0.3976.

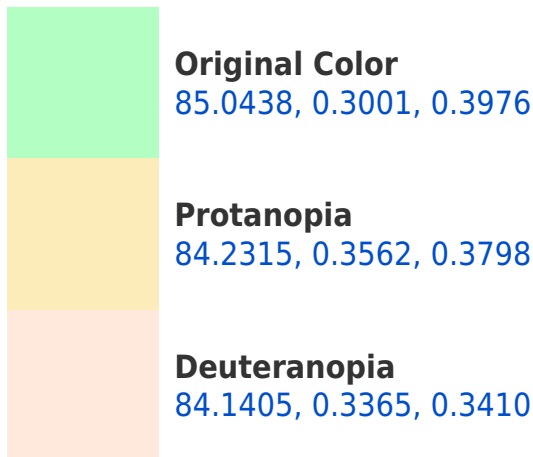


This preview shows how white text looks on a background with the Yxy color 85.0438, 0.3001, 0.3976.

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





Tritanopia

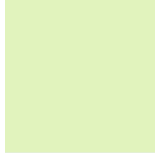
84.4259, 0.2853, 0.3154

Trichromacy



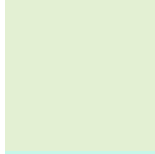
Original Color

85.0438, 0.3001, 0.3976



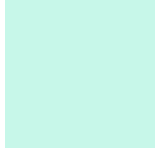
Protanomaly

83.7829, 0.3338, 0.3869



Deuteranomaly

83.3542, 0.3219, 0.3597



Tritanomaly

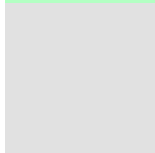
84.5468, 0.2911, 0.3441

Monochromacy



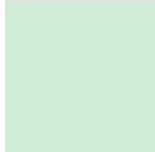
Original Color

85.0438, 0.3001, 0.3976



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2558, 0.3076, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0438, 0.3001, 0.3976 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 195) }
```

Border

The CSS property to change the border of an element to Yxy 85.0438, 0.3001, 0.3976 is called "border". The border property can be set on classes, ids or directly on the HTML element.

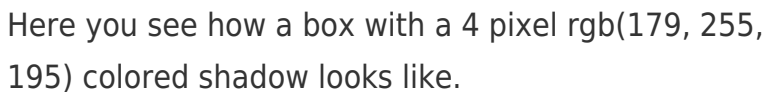
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 255, 195) }
```

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

```
.border{ border-color:rgb(179, 255, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 255, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 255, 195); box-shadow:4px 4px 4px 4px rgb(179, 255, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0438, 0.3001, 0.3976 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, 195) }
```

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

```
.background{ background-color: rgb(179,  
255, 195) }
```

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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