

Converting Colors

$Yxy(85.2579, 0.2838, 0.3707)$

Have a look what the booklet for
Yxy(85.2579, 0.2838, 0.3707)
contains.

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Color

Yxy(85.2399, 0.2838, 0.3709)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFDA
RGB	171, 255, 218
RGB Percent	67%, 100%, 85%
CMY	0.3291, 0.0000, 0.1450
CMYK	0.33, 0.00, 0.14, 0.00
HSL	154°, 100%, 84%
HSV	154°, 33%, 100%
XYZ	65.2227, 85.2399, 79.3565
YIQ	225.6660, -38.1870, -29.3150

Conversions

Conversions Part 2

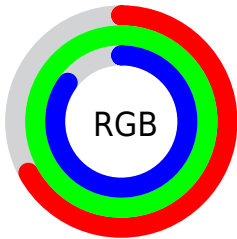
Format	Color
RYB	171, 225, 255
Decimal	11272154
CIELab	93.99, -33.06, 9.65
CIELCh	94, 34.439, 163.734
Yxy	85.2399, 0.2838, 0.3709
Android (android.graphics.Color)	4289462234 (0xFFABFFDA)
YUV	225.6660, -3.7793, -47.9421
Hunter-Lab	92.3255, -35.4695, 13.6663

Details

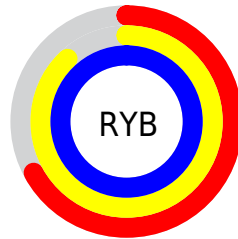
The Yxy color **85.2399, 0.2838, 0.3709** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.9680, 0.3557, 0.2909**, and the grayscale version is **75.8615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **46.7455, 0.2773, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **82.0808, 0.2766, 0.3863**, and if you desaturate by 10%, it is **88.9983, 0.2920, 0.3567**.

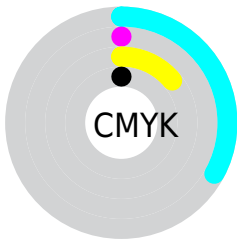
Distribution



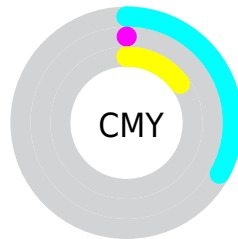
- Red (67%)
- Green (100%)
- Blue (85%)



- Red (67%)
- Yellow (88%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2399, 0.2838, 0.3709 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 85.2399, 0.2838, 0.3709 by changing the saturation by 10% instead.


 85.2399, 0.2838,
0.3709

 85.2399, 0.2838,
0.3709

512.4216, 0.2971,
0.3515

 64.0396, 0.2808,
0.3754


 140.7083, 0.2884,
0.3641

 46.6828, 0.2771,
0.3809


175.7452, 0.2902,
0.3615

 32.7849, 0.2724,
0.3878

216.1631, 0.2917,
0.3593

 21.9617, 0.2664,
0.3970

262.3464, 0.2931,
0.3573

 13.8288, 0.2582,
0.4095

314.6796, 0.2942,
0.3556

 8.0017, 0.2465,
0.4275

373.5468, 0.2953,

 4.0960, 0.2286,

0.3540

0.4557

439.3327, 0.2962,
0.3527

1.7274, 0.1952,
0.5074

0.4413, 0.0000,
1.0000

85.2399, 0.2838,
0.3709

85.2399, 0.2838,
0.3709

82.0808, 0.2766,
0.3863

88.9983, 0.2920,
0.3567

79.4778, 0.2707,
0.4027

93.3755, 0.3008,
0.3438

77.3985, 0.2664,
0.4198

98.4030, 0.3100,
0.3321

75.8026, 0.2640,
0.4372

99.9943, 0.3127,
0.3290

■ 74.6437, 0.2637,
0.4547

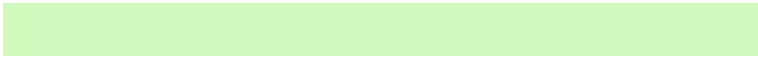
■ 73.8655, 0.2654,
0.4717

■ 73.4868, 0.2676,
0.4833

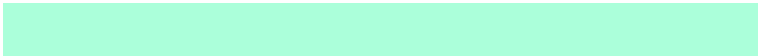
Harmonies

Analogous

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



85.2399, 0.3221, 0.3955



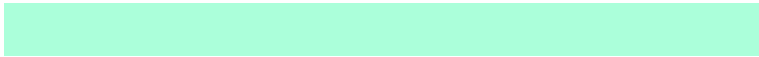
85.2399, 0.2838, 0.3709



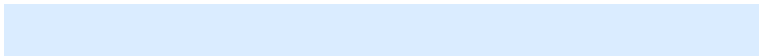
85.2399, 0.2545, 0.3334

Triad

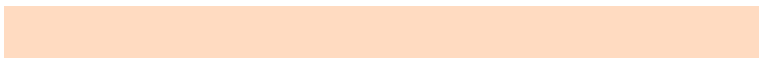
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2399, 0.2838, 0.3709



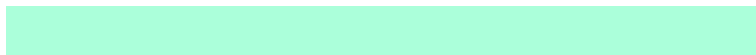
85.2399, 0.2652, 0.2650



85.2399, 0.3907, 0.3526

Complementary

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



85.2399, 0.2838, 0.3709



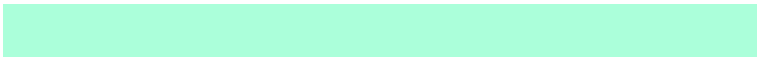
54.9680, 0.3557, 0.2909

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.



85.2399, 0.3738, 0.3205



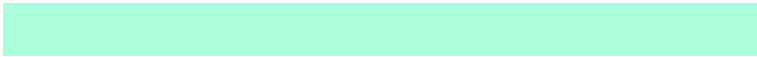
85.2399, 0.2838, 0.3709



85.2399, 0.2994, 0.2719

Square

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



85.2399, 0.2838, 0.3709



85.2399, 0.2444, 0.2734



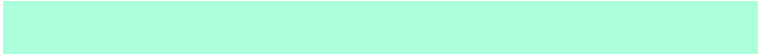
85.2399, 0.3395, 0.2918



85.2399, 0.3850, 0.3813

Rectangle

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



85.2399, 0.2838, 0.3709



85.2399, 0.2433, 0.3085



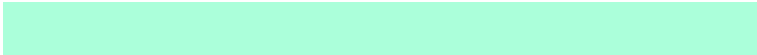
85.2399, 0.3395, 0.2918



85.2399, 0.3875, 0.3419

Sweetspot

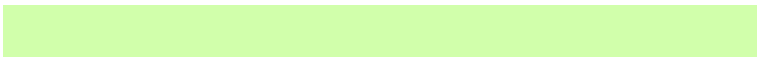
The Sweet Spot groups the original color and five complimentary colors.



85.2434, 0.2838, 0.3709



94.7778, 0.3035, 0.3403



87.9888, 0.3315, 0.4205



20.1407, 0.3022, 0.3419



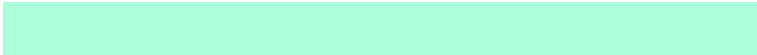
0.0000, 0.0000, 0.0000



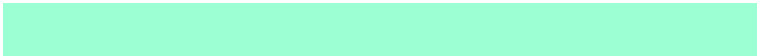
21.4041, 0.3127, 0.3290

Same Dimension

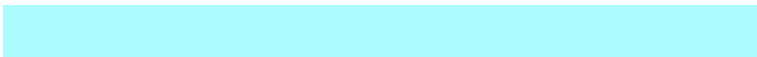
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2434, 0.2838, 0.3709



83.2555, 0.2793, 0.3801



84.7520, 0.2651, 0.3243



20.3384, 0.3039, 0.3397



38.4321, 0.2668, 0.4806



3.7640, 0.2616, 0.4617

Inverse Universe

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



54.9680, 0.3557, 0.2909



49.0267, 0.3669, 0.2837



54.9661, 0.3883, 0.3336



18.1200, 0.3225, 0.3186



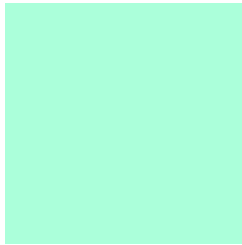
11.7530, 0.5216, 0.2647



1.1659, 0.4931, 0.2490

Previews

White Background



This preview shows how the Yxy color 85.2399, 0.2838, 0.3709 looks on a white background.

Color Contrast Check

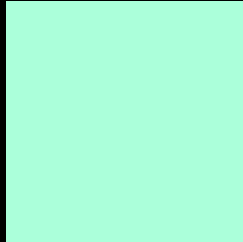
Large Text (above 18pt) WCAG AA × Fail

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 85.2399, 0.2838, 0.3709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

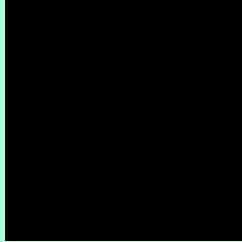
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

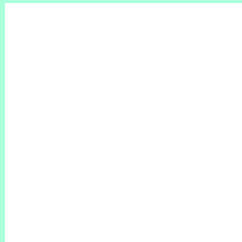
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.2399, 0.2838, 0.3709

Background



This preview shows how black text looks on a background with the Yxy color 85.2399, 0.2838, 0.3709.

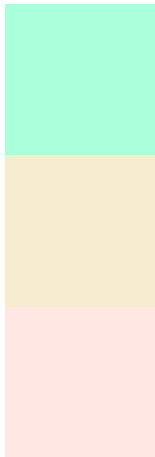


This preview shows how white text looks on a background with the Yxy color 85.2399, 0.2838, 0.3709.

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

85.2399, 0.2838, 0.3709

Protanopia

84.5014, 0.3389, 0.3575

Deuteranopia

84.5747, 0.3311, 0.3330



Tritanopia

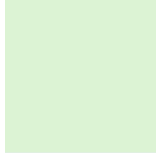
84.7311, 0.2842, 0.3164

Trichromacy



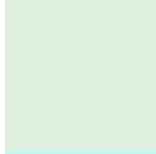
Original Color

85.2399, 0.2838, 0.3709



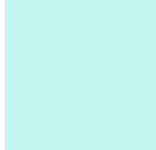
Protanomaly

84.0703, 0.3164, 0.3621



Deuteranomaly

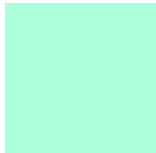
83.5493, 0.3119, 0.3458



Tritanomaly

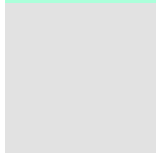
84.5344, 0.2839, 0.3343

Monochromacy



Original Color

85.2399, 0.2838, 0.3709



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.0179, 0.3009, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2399, 0.2838, 0.3709 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(171, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 218)  
}
```

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(171, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 85.2399, 0.2838, 0.3709 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(171, 255, 218) }
```

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

```
.border{ border-color:rgb(171, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2399, 0.2838, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 218) }
```

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

```
.background{ background-color: rgb(171,  
255, 218) }
```

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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