

Converting Colors

$Yxy(85.3015, 0.2832, 0.3696)$

Have a look what the booklet for
Yxy(85.3015, 0.2832, 0.3696)
contains.

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Color

Yxy(85.2924, 0.2833, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFDB
RGB	171, 255, 219
RGB Percent	67%, 100%, 86%
CMY	0.3293, 0.0000, 0.1413
CMYK	0.33, 0.00, 0.14, 0.00
HSL	154°, 100%, 84%
HSV	154°, 33%, 100%
XYZ	65.3416, 85.2924, 80.0106
YIQ	225.7800, -38.5080, -29.0040

Conversions

Conversions Part 2

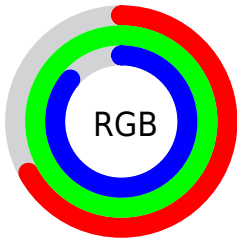
Format	Color
RYB	171, 224, 255
Decimal	11272155
CIELab	94.01, -32.89, 9.19
CIELCh	94, 34.151, 164.386
Yxy	85.2924, 0.2833, 0.3698
Android (android.graphics.Color)	4289462235 (0xFFABFFDB)
YUV	225.7800, -3.3425, -48.0421
Hunter-Lab	92.3539, -35.3281, 13.2819

Details

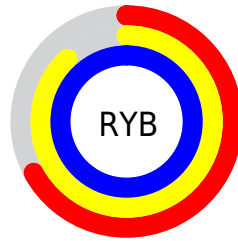
The Yxy color **85.2924, 0.2833, 0.3698** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.9066, 0.3566, 0.2919**, and the grayscale version is **75.9353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **46.7815, 0.2767, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **82.1433, 0.2760, 0.3847**, and if you desaturate by 10%, it is **89.0353, 0.2916, 0.3560**.

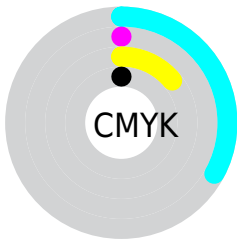
Distribution



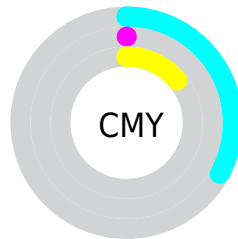
- Red (67%)
- Green (100%)
- Blue (86%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2924, 0.2833, 0.3698 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 85.2924, 0.2833, 0.3698 by changing the saturation by 10% instead.


 85.2924, 0.2833,
0.3698

 85.2924, 0.2833,
0.3698


512.5951, 0.2968,
0.3509

 64.0830, 0.2803,
0.3741


 140.7816, 0.2880,
0.3632

 46.7179, 0.2765,
0.3795


175.8303, 0.2898,
0.3607

 32.8127, 0.2718,
0.3863


216.2608, 0.2913,
0.3585

 21.9830, 0.2657,
0.3951

262.4575, 0.2927,
0.3566

 13.8444, 0.2574,
0.4072

314.8049, 0.2939,
0.3549

 8.0125, 0.2456,
0.4247

373.6874, 0.2950,

 4.1030, 0.2277,

0.3534

0.4519

439.4893, 0.2959,
0.3521

1.7313, 0.1945,
0.5017

0.4438, 0.0000,
1.0000

85.2924, 0.2833,
0.3698

85.2924, 0.2833,
0.3698

82.1433, 0.2760,
0.3847

89.0353, 0.2916,
0.3560

79.5501, 0.2699,
0.4007

93.3968, 0.3006,
0.3434

77.4787, 0.2656,
0.4173

98.4065, 0.3099,
0.3321

75.8890, 0.2631,
0.4343

100.0000, 0.3127,
0.3290

■ 74.7344, 0.2627,
0.4513

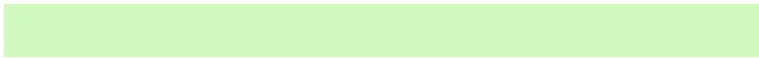
■ 73.9588, 0.2643,
0.4678

■ 73.5817, 0.2664,
0.4792

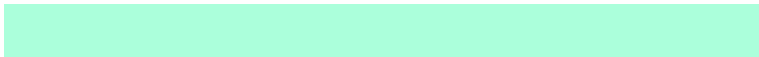
Harmonies

Analogous

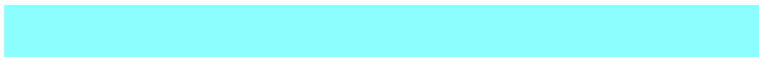
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2924, 0.3212, 0.3946



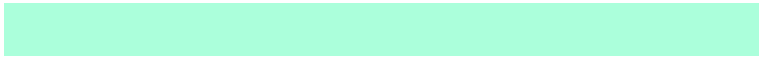
85.2924, 0.2833, 0.3698



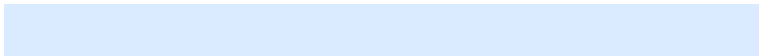
85.2924, 0.2545, 0.3326

Triad

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



85.2924, 0.2833, 0.3698



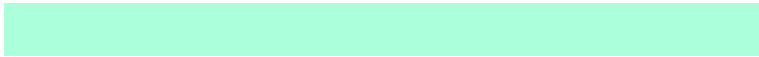
85.2924, 0.2662, 0.2655



85.2924, 0.3902, 0.3531

Complementary

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



85.2924, 0.2833, 0.3698



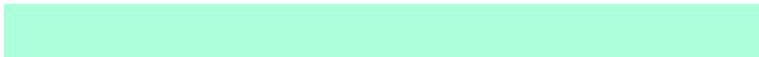
54.9066, 0.3566, 0.2919

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.



85.2924, 0.3738, 0.3213



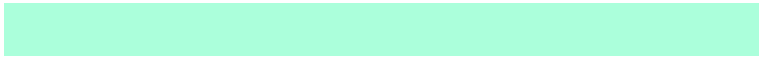
85.2924, 0.2833, 0.3698



85.2924, 0.3004, 0.2727

Square

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



85.2924, 0.2833, 0.3698



85.2924, 0.2452, 0.2736



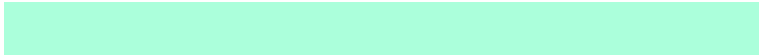
85.2924, 0.3401, 0.2926



85.2924, 0.3840, 0.3814

Rectangle

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



85.2924, 0.2833, 0.3698



85.2924, 0.2436, 0.3080



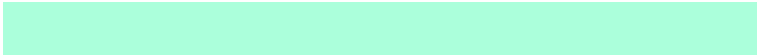
85.2924, 0.3401, 0.2926



85.2924, 0.3871, 0.3425

Sweetspot

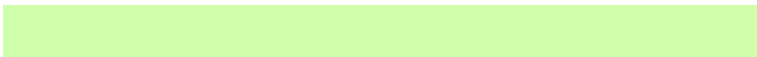
The Sweet Spot groups the original color and five complimentary colors.



85.2942, 0.2833, 0.3698



94.7955, 0.3033, 0.3400



87.7873, 0.3306, 0.4208



20.1450, 0.3020, 0.3416



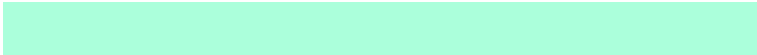
0.0000, 0.0000, 0.0000



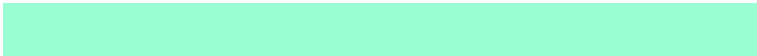
21.4041, 0.3127, 0.3290

Same Dimension

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



85.2942, 0.2833, 0.3698



83.0067, 0.2780, 0.3803



83.8819, 0.2649, 0.3227



20.3420, 0.3038, 0.3394



38.4786, 0.2657, 0.4765



3.7684, 0.2606, 0.4581

Inverse Universe

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



54.9066, 0.3566, 0.2919



48.0634, 0.3700, 0.2837



55.5001, 0.3879, 0.3351



18.1165, 0.3226, 0.3188



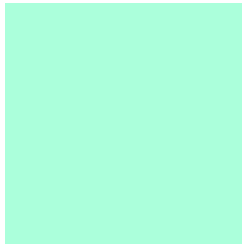
11.7192, 0.5264, 0.2673



1.1624, 0.4974, 0.2514

Previews

White Background



This preview shows how the Yxy color 85.2924, 0.2833, 0.3698 looks on a white background.

Color Contrast Check

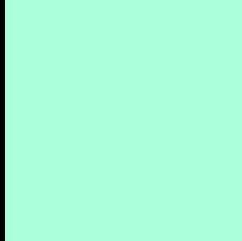
Large Text (above 18pt) WCAG AA × Fail

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 85.2924, 0.2833, 0.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

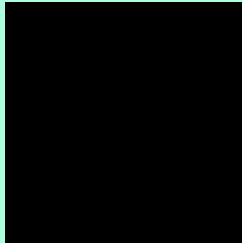
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.2924, 0.2833, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 85.2924, 0.2833, 0.3698.

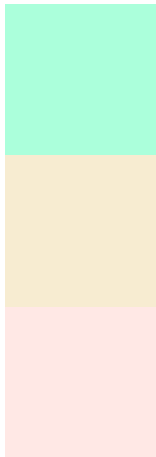


This preview shows how white text looks on a background with the Yxy color 85.2924, 0.2833, 0.3698.

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

85.2924, 0.2833, 0.3698

Protanopia

84.3685, 0.3375, 0.3565

Deuteranopia

84.6304, 0.3305, 0.3320



Tritanopia

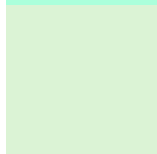
84.7311, 0.2842, 0.3164

Trichromacy



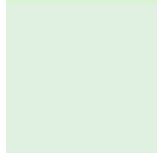
Original Color

85.2924, 0.2833, 0.3698



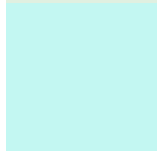
Protanomaly

83.9653, 0.3151, 0.3611



Deuteranomaly

83.6037, 0.3113, 0.3448



Tritanomaly

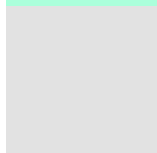
84.5344, 0.2839, 0.3343

Monochromacy



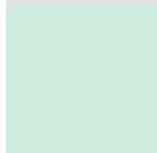
Original Color

85.2924, 0.2833, 0.3698



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 85.2924, 0.2833, 0.3698 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 85.2924, 0.2833, 0.3698 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, 219) }
```

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

```
.border{ border-color:rgb(171, 255, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 255, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 255, 219); box-shadow:4px 4px 4px 4px rgb(171, 255, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2924, 0.2833, 0.3698 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, 219) }
```

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

```
.background{ background-color: rgb(171,  
255, 219) }
```

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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