

Converting Colors

$Yxy(85.8411, 0.2784, 0.3583)$

Have a look what the booklet for
Yxy(85.8411, 0.2784, 0.3583)
contains.

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Color

Yxy(85.8351, 0.2782, 0.3581)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | ABFFE5 |
| RGB | 171, 255, 229 |
| RGB Percent | 67%, 100%, 90% |
| CMY | 0.3297, 0.0000, 0.1020 |
| CMYK | 0.33, 0.00, 0.10, 0.00 |
| HSL | 161°, 100%, 84% |
| HSV | 161°, 33%, 100% |
| XYZ | 66.6834, 85.8351, 87.1774 |
| YIQ | 226.9200, -41.7180, -25.8940 |

Conversions

Conversions Part 2

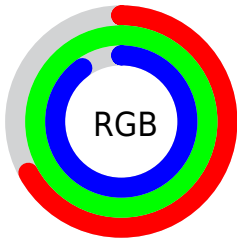
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 171, 221, 255 |
| Decimal | 11272165 |
| CIELab | 94.24, -30.89, 4.36 |
| CIELCh | 94, 31.200, 171.970 |
| Yxy | 85.8351, 0.2782, 0.3581 |
| Android (android.graphics.Color) | 4289462245 (0xFFABFFE5) |
| YUV | 226.9200, 1.0254, -49.0418 |
| Hunter-Lab | 92.6472, -33.6562, 9.0635 |

Details

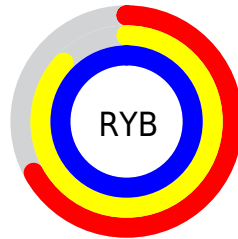
The Yxy color **85.8351, 0.2782, 0.3581** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.3834, 0.3658, 0.3021**, and the grayscale version is **76.7505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **47.1572, 0.2706, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **82.8043, 0.2696, 0.3686**, and if you desaturate by 10%, it is **89.4197, 0.2879, 0.3483**.

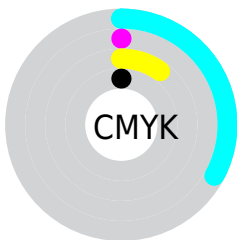
Distribution



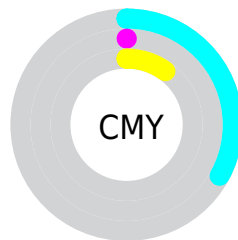
- Red (67%)
- Green (100%)
- Blue (90%)



- Red (67%)
- Yellow (87%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8351, 0.2782, 0.3581 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 85.8351, 0.2782, 0.3581 by changing the saturation by 10% instead.


 85.8351, 0.2782,
0.3581

 85.8351, 0.2782,
0.3581


514.3873, 0.2938,
0.3448

 64.5316, 0.2747,
0.3611


 141.5394, 0.2835,
0.3535

 47.0814, 0.2705,
0.3648


176.7089, 0.2856,
0.3517

 33.1000, 0.2652,
0.3694


217.2693, 0.2874,
0.3502

 22.2031, 0.2584,
0.3754

263.6049, 0.2890,
0.3488

 14.0062, 0.2493,
0.3835

316.1001, 0.2904,
0.3477

 8.1250, 0.2366,
0.3950

375.1393, 0.2917,

 4.1750, 0.2177,

0.3466

0.4125

441.1069, 0.2928,
0.3457

■ 1.7719, 0.1860,
0.4429

■ 0.4696, 0.0000,
0.6944

■ 85.8351, 0.2782,
0.3581

■ 85.8351, 0.2782,
0.3581

■ 82.8043, 0.2696,
0.3686

■ 89.4197, 0.2879,
0.3483

■ 80.3228, 0.2625,
0.3797

■ 93.6155, 0.2984,
0.3394

■ 78.3460, 0.2571,
0.3913

■ 98.4406, 0.3094,
0.3313

■ 76.8341, 0.2537,
0.4032

100.0000, 0.3127,
0.3290

■ 75.7413, 0.2523,
0.4152

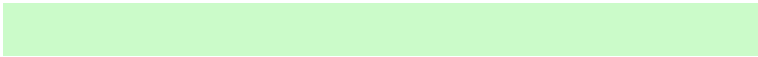
■ 75.0118, 0.2529,
0.4271

■ 74.6599, 0.2542,
0.4353

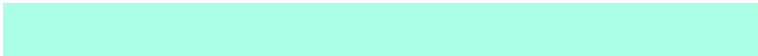
Harmonies

Analogous

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



85.8351, 0.3116, 0.3844



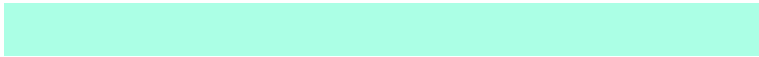
85.8351, 0.2782, 0.3581



85.8351, 0.2548, 0.3237

Triad

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



85.8351, 0.2782, 0.3581



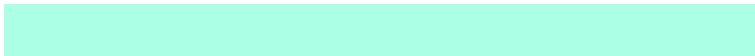
85.8351, 0.2772, 0.2712



85.8351, 0.3838, 0.3585

Complementary

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



85.8351, 0.2782, 0.3581



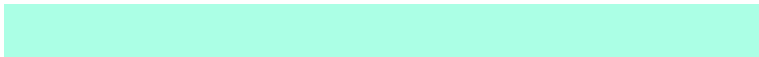
54.3834, 0.3658, 0.3021

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.



85.8351, 0.3739, 0.3295



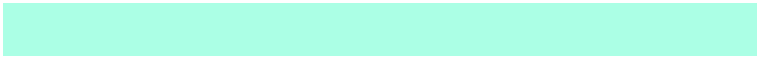
85.8351, 0.2782, 0.3581



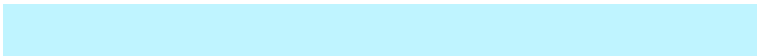
85.8351, 0.3106, 0.2809

Square

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



85.8351, 0.2782, 0.3581



85.8351, 0.2543, 0.2751



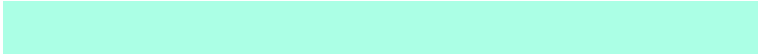
85.8351, 0.3465, 0.3018



85.8351, 0.3734, 0.3822

Rectangle

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



85.8351, 0.2782, 0.3581



85.8351, 0.2474, 0.3025



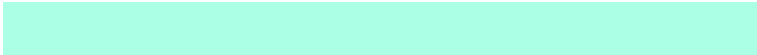
85.8351, 0.3465, 0.3018



85.8351, 0.3828, 0.3491

Sweetspot

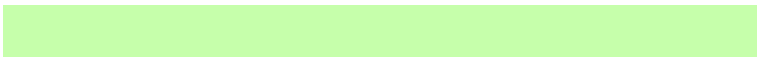
The Sweet Spot groups the original color and five complimentary colors.



85.8259, 0.2782, 0.3581



94.9828, 0.3016, 0.3369



86.4013, 0.3243, 0.4228



20.1904, 0.3001, 0.3380



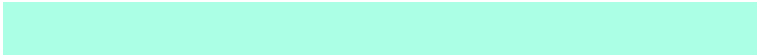
0.0000, 0.0000, 0.0000



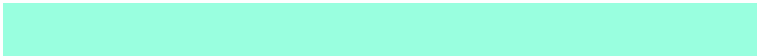
21.4041, 0.3127, 0.3290

Same Dimension

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



85.8259, 0.2782, 0.3581



83.6445, 0.2721, 0.3654



77.9453, 0.2635, 0.3118



20.3802, 0.3021, 0.3365



39.0394, 0.2537, 0.4333



3.8208, 0.2500, 0.4199

Inverse Universe

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



54.3834, 0.3658, 0.3021



47.5261, 0.3823, 0.2962



59.4563, 0.3846, 0.3454



18.0796, 0.3245, 0.3217



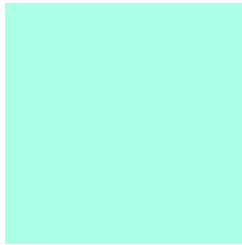
11.4261, 0.5735, 0.2933



1.1311, 0.5415, 0.2757

Previews

White Background



This preview shows how the Yxy color 85.8351, 0.2782, 0.3581 looks on a white background.

Color Contrast Check

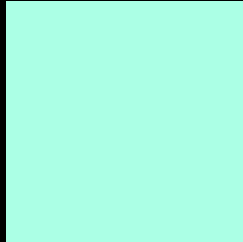
Large Text (above 18pt) WCAG AA × Fail

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 85.8351, 0.2782, 0.3581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

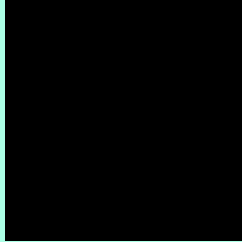
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

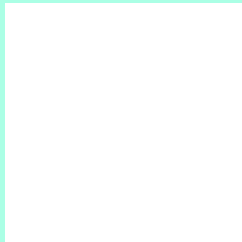
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8351, 0.2782, 0.3581

Background



This preview shows how black text looks on a background with the Yxy color 85.8351, 0.2782, 0.3581.

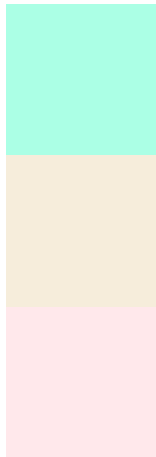


This preview shows how white text looks on a background with the Yxy color 85.8351, 0.2782, 0.3581.

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

85.8351, 0.2782, 0.3581

Protanopia

85.2757, 0.3302, 0.3473

Deuteranopia

84.9714, 0.3266, 0.3261



Tritanopia

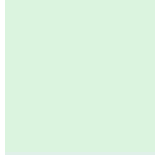
85.4767, 0.2849, 0.3175

Trichromacy



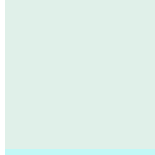
Original Color

85.8351, 0.2782, 0.3581



Protanomaly

85.0891, 0.3091, 0.3512



Deuteranomaly

84.0507, 0.3065, 0.3363



Tritanomaly

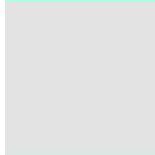
85.3907, 0.2819, 0.3311

Monochromacy



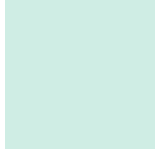
Original Color

85.8351, 0.2782, 0.3581



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4352, 0.2986, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8351, 0.2782, 0.3581 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 85.8351, 0.2782, 0.3581 is called "border". The border property can be set on classes, ids or directly on the HTML element.

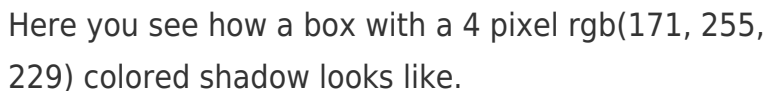
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 255, 229) }
```

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

```
.border{ border-color:rgb(171, 255, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 255, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 255, 229); box-shadow:4px 4px 4px 4px rgb(171, 255, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8351, 0.2782, 0.3581 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, 229) }
```

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

```
.background{ background-color: rgb(171,  
255, 229) }
```

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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