

Converting Colors

$Yxy(90.0080, 0.2838, 0.3736)$

Have a look what the booklet for
Yxy(90.0080, 0.2838, 0.3736)
contains.

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Color

Yxy(85.6782, 0.2828, 0.3661)

Conversions

Conversions Part 1

Format	Color
Hex	ADFFDE
RGB	173, 255, 222
RGB Percent	68%, 100%, 87%
CMY	0.3215, 0.0000, 0.1293
CMYK	0.32, 0.00, 0.13, 0.00
HSL	156°, 100%, 84%
HSV	156°, 32%, 100%
XYZ	66.1835, 85.6782, 82.1678
YIQ	226.7200, -38.2790, -27.6470

Conversions

Conversions Part 2

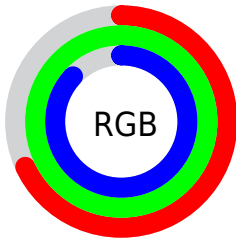
Format	Color
RYB	173, 224, 255
Decimal	11403230
CIELab	94.17, -31.72, 7.87
CIELCh	94, 32.679, 166.065
Yxy	85.6782, 0.2828, 0.3661
Android (android.graphics.Color)	4289593310 (0xFFADFFDE)
YUV	226.7200, -2.3270, -47.1124
Hunter-Lab	92.5625, -34.3543, 12.1620

Details

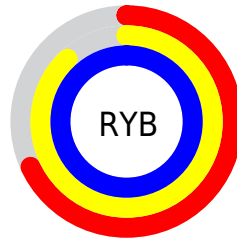
The Yxy color **85.6782, 0.2828, 0.3661** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.6126, 0.3571, 0.2950**, and the grayscale version is **76.6461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **47.0297, 0.2761, 0.3748** is the 20% darker color. If you saturate the color by 10%, you get **82.5127, 0.2751, 0.3800**, and if you desaturate by 10%, it is **89.4389, 0.2915, 0.3533**.

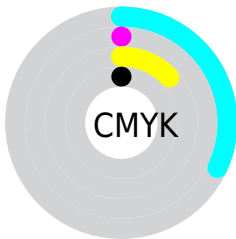
Distribution



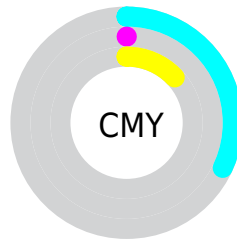
- Red (68%)
- Green (100%)
- Blue (87%)



- Red (68%)
- Yellow (88%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6782, 0.2828, 0.3661 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 85.6782, 0.2828, 0.3661 by changing the saturation by 10% instead.

 85.6782, 0.2828,
0.3661

 85.6782, 0.2828,
0.3661


513.8695, 0.2964,
0.3490

 64.4019, 0.2797,
0.3700


 141.3203, 0.2875,
0.3602

 46.9763, 0.2760,
0.3748


176.4550, 0.2893,
0.3579

 33.0169, 0.2712,
0.3809


216.9778, 0.2909,
0.3559

 22.1394, 0.2651,
0.3889

263.2733, 0.2923,
0.3541

 13.9594, 0.2569,
0.3997

315.7259, 0.2935,
0.3526

 8.0924, 0.2452,
0.4152


374.7198, 0.2946,


 4.1541, 0.2276,


0.3513


0.4393


440.6396, 0.2956,
0.3501


 1.7602, 0.1966,
0.4824


 0.4622, 0.0000,
1.0000


 85.6782, 0.2828,
0.3661


 85.6782, 0.2828,
0.3661


 82.5127, 0.2751,
0.3800


 89.4389, 0.2915,
0.3533

 79.8998, 0.2687,
0.3947

 93.8141, 0.3008,
0.3416

 77.8073, 0.2640,
0.4102

 98.8348, 0.3106,
0.3311

 76.1958, 0.2611,
0.4260

99.9999, 0.3127,
0.3290

■ 75.0194, 0.2603,
0.4419

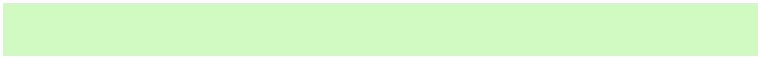
■ 74.2231, 0.2616,
0.4576

■ 73.8002, 0.2637,
0.4695

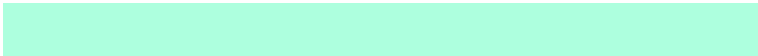
Harmonies

Analogous

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



85.6782, 0.3188, 0.3907



85.6782, 0.2828, 0.3661



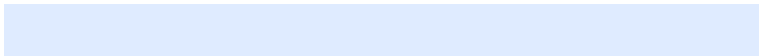
85.6782, 0.2558, 0.3305

Triad

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



85.6782, 0.2828, 0.3661



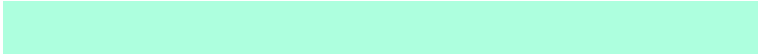
85.6782, 0.2697, 0.2682



85.6782, 0.3869, 0.3539

Complementary

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



85.6782, 0.2828, 0.3661



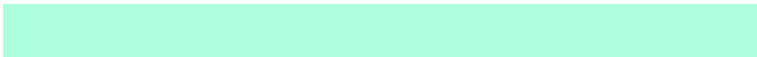
55.6126, 0.3571, 0.2950

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.



85.6782, 0.3725, 0.3234



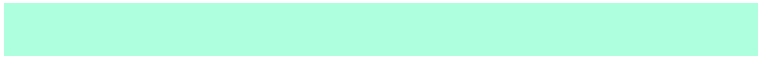
85.6782, 0.2828, 0.3661



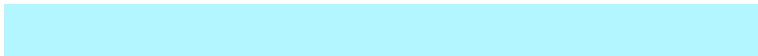
85.6782, 0.3031, 0.2758

Square

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



85.6782, 0.2828, 0.3661



85.6782, 0.2487, 0.2752



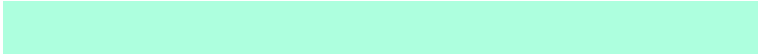
85.6782, 0.3410, 0.2955



85.6782, 0.3800, 0.3805

Rectangle

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



85.6782, 0.2828, 0.3661



85.6782, 0.2460, 0.3072



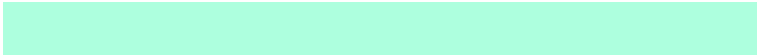
85.6782, 0.3410, 0.2955



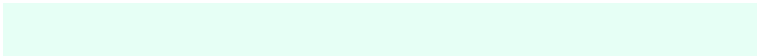
85.6782, 0.3844, 0.3438

Sweetspot

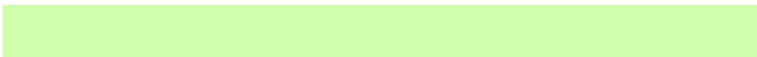
The Sweet Spot groups the original color and five complimentary colors.



85.6817, 0.2828, 0.3661



94.8371, 0.3029, 0.3393



87.8293, 0.3293, 0.4187



20.1550, 0.3016, 0.3408



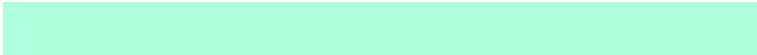
0.0000, 0.0000, 0.0000



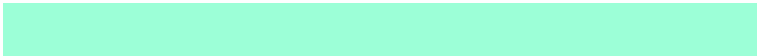
21.4041, 0.3127, 0.3290

Same Dimension

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



85.6817, 0.2828, 0.3661



83.4488, 0.2774, 0.3755



83.3454, 0.2657, 0.3214



20.3505, 0.3034, 0.3387



38.5926, 0.2630, 0.4670



3.7793, 0.2582, 0.4495

Inverse Universe

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



55.6126, 0.3571, 0.2950



48.8518, 0.3706, 0.2875



56.8619, 0.3850, 0.3364



18.1082, 0.3231, 0.3195



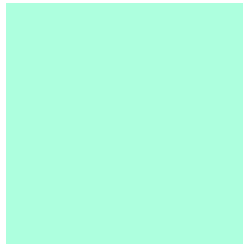
11.6439, 0.5375, 0.2734



1.1546, 0.5074, 0.2569

Previews

White Background



This preview shows how the Yxy color 85.6782, 0.2828, 0.3661 looks on a white background.

Color Contrast Check

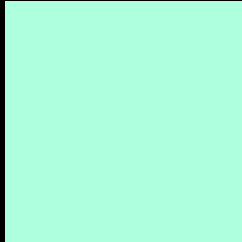
Large Text (above 18pt) WCAG AA × Fail

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 85.6782, 0.2828, 0.3661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

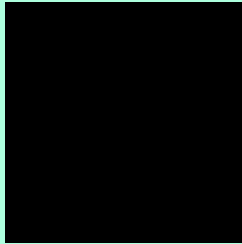
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.6782, 0.2828, 0.3661

Background



This preview shows how black text looks on a background with the Yxy color 85.6782, 0.2828, 0.3661.

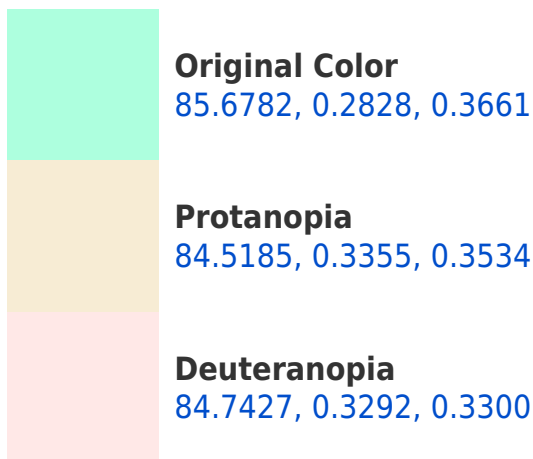


This preview shows how white text looks on a background with the Yxy color 85.6782, 0.2828, 0.3661.

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

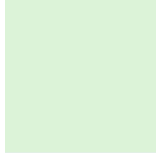
85.4767, 0.2849, 0.3175

Trichromacy



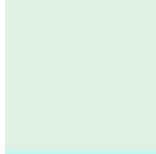
Original Color

85.6782, 0.2828, 0.3661



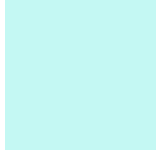
Protanomaly

84.2747, 0.3140, 0.3577



Deuteranomaly

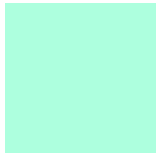
83.9292, 0.3102, 0.3416



Tritanomaly

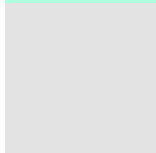
85.3416, 0.2840, 0.3343

Monochromacy



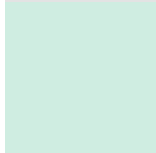
Original Color

85.6782, 0.2828, 0.3661



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.2700, 0.3004, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6782, 0.2828, 0.3661 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(173, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 222)  
}
```

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(173, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 85.6782, 0.2828, 0.3661 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(173, 255, 222) }
```

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

```
.border{ border-color:rgb(173, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 255, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 255, 222); box-shadow:4px 4px 4px 4px rgb(173, 255, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6782, 0.2828, 0.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 222) }
```

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

```
.background{ background-color: rgb(173,  
255, 222) }
```

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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