

Converting Colors

$Y_{xy}(100.0000, 0.3000, 0.4310)$

Have a look what the booklet for
Yxy(100.0000, 0.3000, 0.4310)
contains.

| | |
|---|----|
| Yxy(83.7658, 0.2998, 0.4082) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(83.7658, 0.2998, 0.4082)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | ABFFBB |
| RGB | 171, 255, 187 |
| RGB Percent | 67%, 100%, 73% |
| CMY | 0.3294, 0.0000, 0.2668 |
| CMYK | 0.33, 0.00, 0.27, 0.00 |
| HSL | 131°, 100%, 84% |
| HSV | 131°, 33%, 100% |
| XYZ | 61.5213, 83.7658, 59.9207 |
| YIQ | 222.1320, -28.2360, -38.9560 |

Conversions

Conversions Part 2

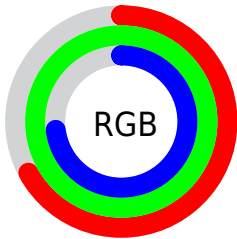
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 171, 242, 255 |
| Decimal | 11272123 |
| CIELab | 93.35, -38.82, 24.64 |
| CIELCh | 93, 45.976, 147.598 |
| Yxy | 83.7658, 0.2998, 0.4082 |
| Android (android.graphics.Color) | 4289462203 (0xFFABFFBB) |
| YUV | 222.1320, -17.3201, -44.8428 |
| Hunter-Lab | 91.5237, -40.1805, 25.2493 |

Details

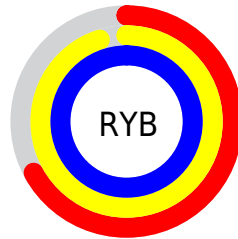
The Yxy color **83.7658, 0.2998, 0.4082** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.6202, 0.3292, 0.2611**, and the grayscale version is **73.2817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4850, 0.3030, 0.3411**, and **45.7946, 0.2962, 0.4288** is the 20% darker color. If you saturate the color by 10%, you get **80.3502, 0.2964, 0.4375**, and if you desaturate by 10%, it is **87.8585, 0.3036, 0.3811**.

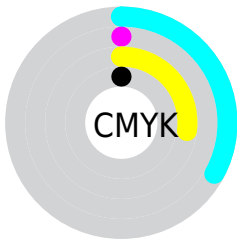
Distribution



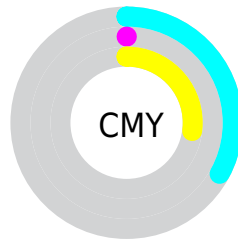
- Red (67%)
- Green (100%)
- Blue (73%)



- Red (67%)
- Yellow (95%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7658, 0.2998, 0.4082 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 83.7658, 0.2998, 0.4082 by changing the saturation by 10% instead.

 83.7658, 0.2998,
0.4082

 83.7658, 0.2998,
0.4082

507.5352, 0.3066,
0.3706

 62.8221, 0.2980,
0.4170


 138.6475, 0.3023,
0.3950

 45.6973, 0.2958,
0.4280


173.3543, 0.3033,
0.3899

 32.0070, 0.2927,
0.4420

213.4176, 0.3041,
0.3855

 21.3669, 0.2884,
0.4606

259.2218, 0.3047,
0.3817

 13.3924, 0.2821,
0.4862

311.1512, 0.3053,
0.3784

 7.6993, 0.2719,
0.5236


369.5904, 0.3058,


 3.9032, 0.2538,


0.3755


0.5824


434.9235, 0.3062,
0.3729


 1.6195, 0.2201,
0.7799


 0.3707, 0.0000,
1.0000

 83.7658, 0.2998,
0.4082


 83.7658, 0.2998,
0.4082


 80.3502, 0.2964,
0.4375


 87.8585, 0.3036,
0.3811

 77.5780, 0.2937,
0.4681

 92.6664, 0.3076,
0.3566

 75.4072, 0.2919,
0.4988

 98.2204, 0.3116,
0.3349

 73.7920, 0.2913,
0.5278

100.0000, 0.3127,
0.3290

■ 72.6800, 0.2920,
0.5532

■ 72.0081, 0.2939,
0.5734

■ 71.7373, 0.2956,
0.5841

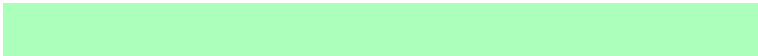
Harmonies

Analogous

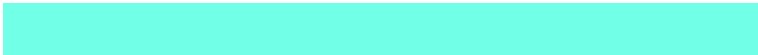
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7658, 0.3518, 0.4252



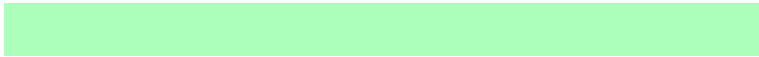
83.7658, 0.2998, 0.4082



83.7658, 0.2537, 0.3630

Triad

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



83.7658, 0.2998, 0.4082



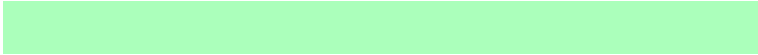
83.7658, 0.2328, 0.2479



83.7658, 0.4092, 0.3357

Complementary

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



83.7658, 0.2998, 0.4082



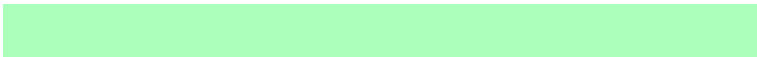
56.6202, 0.3292, 0.2611

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.



83.7658, 0.3718, 0.2960



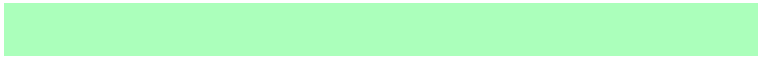
83.7658, 0.2998, 0.4082



83.7658, 0.2684, 0.2473

Square

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



83.7658, 0.2998, 0.4082



83.7658, 0.2176, 0.2689



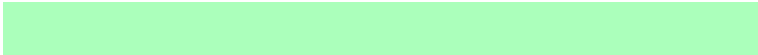
83.7658, 0.3189, 0.2646



83.7658, 0.4175, 0.3770

Rectangle

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



83.7658, 0.2998, 0.4082



83.7658, 0.2320, 0.3271



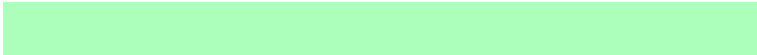
83.7658, 0.3189, 0.2646



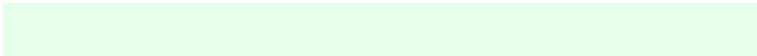
83.7658, 0.3995, 0.3219

Sweetspot

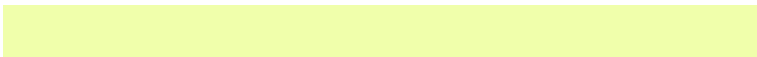
The Sweet Spot groups the original color and five complimentary colors.



83.7646, 0.2998, 0.4082



94.2209, 0.3087, 0.3499



92.9157, 0.3521, 0.4146



20.0064, 0.3082, 0.3531



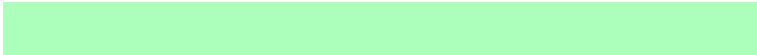
0.0000, 0.0000, 0.0000



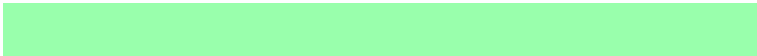
21.4041, 0.3127, 0.3290

Same Dimension

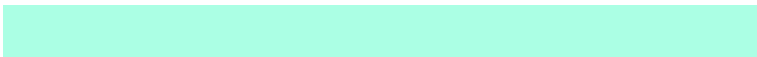
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7646, 0.2998, 0.4082



81.2858, 0.2973, 0.4287



85.8018, 0.2785, 0.3588



20.2246, 0.3089, 0.3488



37.5003, 0.2950, 0.5819



3.6655, 0.2897, 0.5629

Inverse Universe

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



56.6202, 0.3292, 0.2611



50.0760, 0.3337, 0.2467



54.4451, 0.3651, 0.3014



18.2377, 0.3167, 0.3100



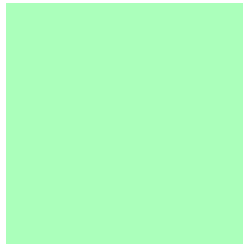
13.4718, 0.3759, 0.1844



1.3263, 0.3684, 0.1803

Previews

White Background



This preview shows how the Yxy color 83.7658, 0.2998, 0.4082 looks on a white background.

Color Contrast Check

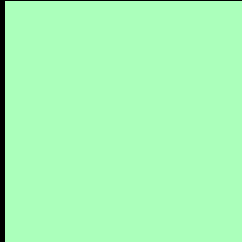
Large Text (above 18pt) WCAG AA × Fail

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 83.7658, 0.2998, 0.4082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

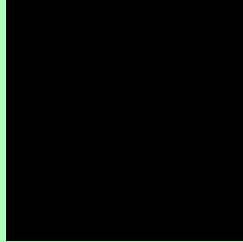
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7658, 0.2998, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 83.7658, 0.2998, 0.4082.

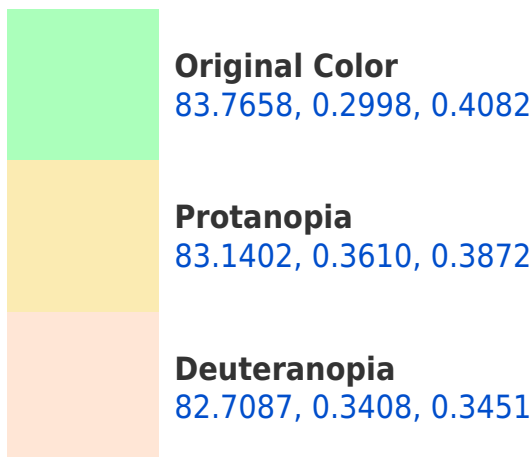


This preview shows how white text looks on a background with the Yxy color 83.7658, 0.2998, 0.4082.

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

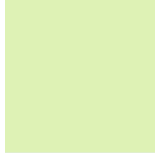
83.5616, 0.2818, 0.3152

Trichromacy



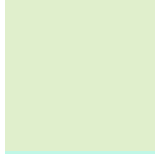
Original Color

83.7658, 0.2998, 0.4082



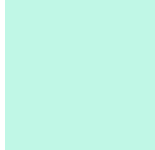
Protanomaly

82.3701, 0.3368, 0.3951



Deuteranomaly

81.9399, 0.3243, 0.3665



Tritanomaly

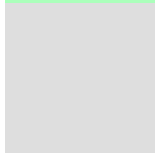
83.4412, 0.2886, 0.3476

Monochromacy



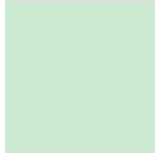
Original Color

83.7658, 0.2998, 0.4082



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.1456, 0.3074, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7658, 0.2998, 0.4082 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 187) }
```

Border

The CSS property to change the border of an element to Yxy 83.7658, 0.2998, 0.4082 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, 187) }
```

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

```
.border{ border-color:rgb(171, 255, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 255, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 255, 187); box-shadow:4px 4px 4px 4px rgb(171, 255, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7658, 0.2998, 0.4082 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, 187) }
```

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

```
.background{ background-color: rgb(171,  
255, 187) }
```

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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