

Converting Colors

$Y_{xy}(100.0000, 0.2896, 0.4090)$

Have a look what the booklet for
Yxy(100.0000, 0.2896, 0.4090)
contains.

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Color

Yxy(84.3011, 0.2883, 0.3855)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A8FFCE |
| RGB | 168, 255, 206 |
| RGB Percent | 66%, 100%, 81% |
| CMY | 0.3412, 0.0000, 0.1922 |
| CMYK | 0.34, 0.00, 0.19, 0.00 |
| HSL | 146°, 100%, 83% |
| HSV | 146°, 34%, 100% |
| XYZ | 63.0454, 84.3011, 71.3334 |
| YIQ | 223.4010, -36.1230, -33.6830 |

Conversions

Conversions Part 2

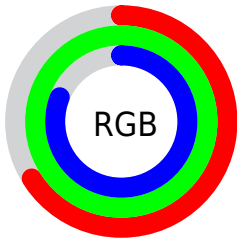
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 168, 229, 255 |
| Decimal | 11075534 |
| CIE Lab | 93.58, -36.28, 15.23 |
| CIE LCh | 94, 39.344, 157.226 |
| Yxy | 84.3011, 0.2883, 0.3855 |
| Android (android.graphics.Color) | 4289265614 (0xFFA8FFCE) |
| YUV | 223.4010, -8.5787, -48.5867 |
| Hunter-Lab | 91.8156, -38.1099, 18.2074 |

Details

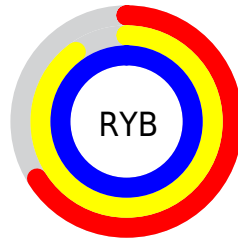
The Yxy color **84.3011, 0.2883, 0.3855** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.2701, 0.3483, 0.2789**, and the grayscale version is **74.1689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **46.1659, 0.2823, 0.3989** is the 20% darker color. If you saturate the color by 10%, you get **81.1032, 0.2825, 0.4057**, and if you desaturate by 10%, it is **88.1076, 0.2950, 0.3668**.

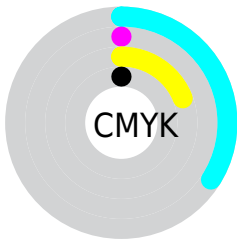
Distribution



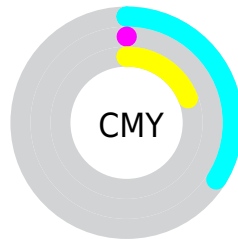
- Red (66%)
- Green (100%)
- Blue (81%)



- Red (66%)
- Yellow (90%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3011, 0.2883, 0.3855 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 84.3011, 0.2883, 0.3855 by changing the saturation by 10% instead.


 84.3011, 0.2883,
0.3855

 84.3011, 0.2883,
0.3855


509.3126, 0.2998,
0.3590

 63.2641, 0.2856,
0.3917

 139.3963, 0.2923,
0.3762

 46.0549, 0.2823,
0.3993


174.2232, 0.2939,
0.3726

 32.2891, 0.2780,
0.4090


214.4156, 0.2952,
0.3696

 21.5824, 0.2724,
0.4219

260.3578, 0.2964,
0.3669

 13.5504, 0.2646,
0.4396

312.4342, 0.2974,
0.3645

 7.8086, 0.2532,
0.4655

371.0292, 0.2983,

 3.9727, 0.2350,

0.3625

0.5065

436.5272, 0.2991,
0.3606

■ 1.6583, 0.1959,
0.5978

■ 0.3965, 0.0000,
1.0000

■ 84.3011, 0.2883,
0.3855

■ 84.3011, 0.2883,
0.3855

■ 81.1032, 0.2825,
0.4057

■ 88.1076, 0.2950,
0.3668

■ 78.4858, 0.2779,
0.4272

■ 92.5598, 0.3021,
0.3499

■ 76.4098, 0.2748,
0.4494

■ 97.6848, 0.3096,
0.3348

■ 74.8330, 0.2736,
0.4718

100.0000, 0.3127,
0.3290

■ 73.7070, 0.2743,
0.4935

■ 72.9729, 0.2770,
0.5138

■ 72.6759, 0.2791,
0.5249

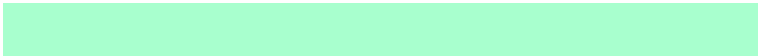
Harmonies

Analogous

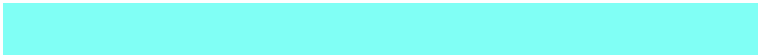
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3011, 0.3328, 0.4088



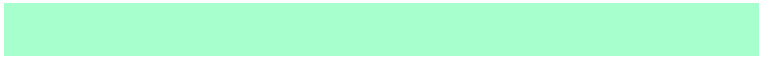
84.3011, 0.2883, 0.3855



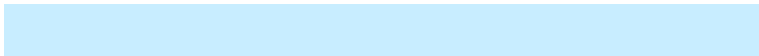
84.3011, 0.2521, 0.3436

Triad

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



84.3011, 0.2883, 0.3855



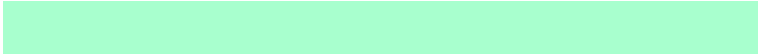
84.3011, 0.2519, 0.2568



84.3011, 0.4002, 0.3473

Complementary

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



84.3011, 0.2883, 0.3855



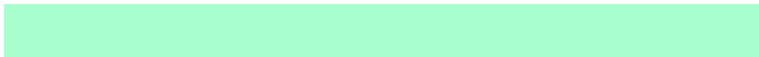
54.2701, 0.3483, 0.2789

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.



84.3011, 0.3755, 0.3114



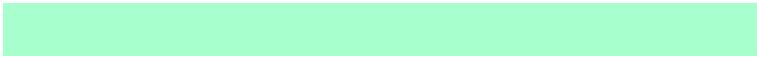
84.3011, 0.2883, 0.3855



84.3011, 0.2878, 0.2613

Square

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



84.3011, 0.2883, 0.3855



84.3011, 0.2325, 0.2699



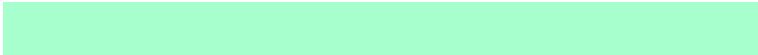
84.3011, 0.3333, 0.2808



84.3011, 0.3990, 0.3817

Rectangle

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



84.3011, 0.2883, 0.3855



84.3011, 0.2369, 0.3140



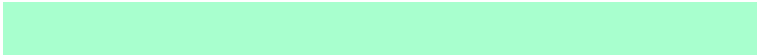
84.3011, 0.3333, 0.2808



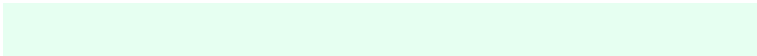
84.3011, 0.3947, 0.3351

Sweetspot

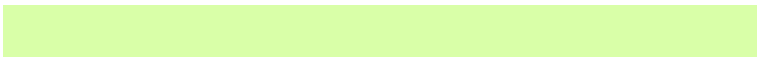
The Sweet Spot groups the original color and five complimentary colors.



84.2991, 0.2883, 0.3855



94.5896, 0.3052, 0.3435



89.1435, 0.3388, 0.4222



20.0952, 0.3042, 0.3456



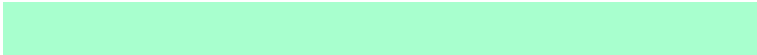
0.0000, 0.0000, 0.0000



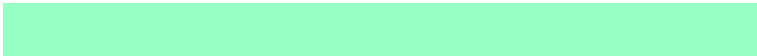
21.4041, 0.3127, 0.3290

Same Dimension

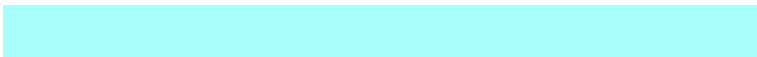
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2991, 0.2883, 0.3855



82.0374, 0.2842, 0.3992



86.6954, 0.2669, 0.3352



20.2999, 0.3056, 0.3427



38.0035, 0.2783, 0.5218



3.7217, 0.2721, 0.4996

Inverse Universe

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



54.2701, 0.3483, 0.2789



47.8368, 0.3582, 0.2687



52.3082, 0.3883, 0.3231



18.1585, 0.3205, 0.3157



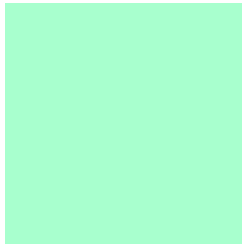
12.1856, 0.4697, 0.2361



1.2084, 0.4480, 0.2241

Previews

White Background



This preview shows how the Yxy color 84.3011, 0.2883, 0.3855 looks on a white background.

Color Contrast Check

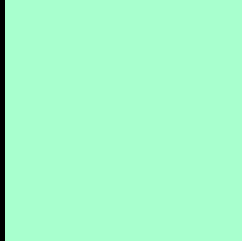
Large Text (above 18pt) WCAG AA × Fail

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 84.3011, 0.2883, 0.3855 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 84.3011, 0.2883, 0.3855

Background



This preview shows how black text looks on a background with the Yxy color 84.3011, 0.2883, 0.3855.

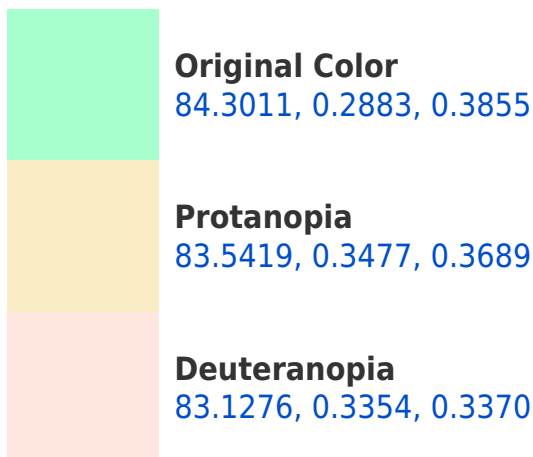


This preview shows how white text looks on a background with the Yxy color 84.3011, 0.2883, 0.3855.

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

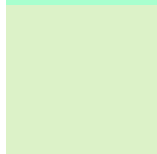
83.5616, 0.2818, 0.3152

Trichromacy



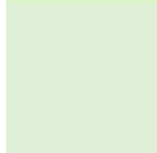
Original Color

84.3011, 0.2883, 0.3855



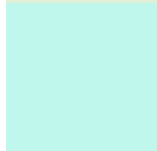
Protanomaly

82.8900, 0.3237, 0.3743



Deuteranomaly

82.3788, 0.3162, 0.3535



Tritanomaly

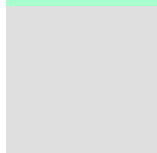
83.7123, 0.2843, 0.3398

Monochromacy



Original Color

84.3011, 0.2883, 0.3855



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1229, 0.3026, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3011, 0.2883, 0.3855 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(168, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 206)  
}
```

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(168, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 84.3011, 0.2883, 0.3855 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(168, 255, 206) }
```

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

```
.border{ border-color:rgb(168, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3011, 0.2883, 0.3855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 206) }
```

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

```
.background{ background-color: rgb(168,  
255, 206) }
```

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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