

Converting Colors

$Y_{xy}(100.0000, 0.2918, 0.4126)$

Have a look what the booklet for
Yxy(100.0000, 0.2918, 0.4126)
contains.

Yxy(84.2193, 0.2909, 0.3902)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.2193, 0.2909, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	A9FFCA
RGB	169, 255, 202
RGB Percent	66%, 100%, 79%
CMY	0.3372, 0.0000, 0.2078
CMYK	0.34, 0.00, 0.21, 0.00
HSL	143°, 100%, 83%
HSV	143°, 34%, 100%
XYZ	62.7868, 84.2193, 68.8302
YIQ	223.2440, -34.2430, -34.7150

Conversions

Conversions Part 2

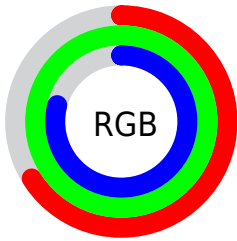
Format	Color
RYB	169, 231, 255
Decimal	11141066
CIELab	93.55, -36.72, 17.22
CIELCh	94, 40.560, 154.870
Yxy	84.2193, 0.2909, 0.3902
Android (android.graphics.Color)	4289331146 (0xFFA9FFCA)
YUV	223.2440, -10.4733, -47.5720
Hunter-Lab	91.7711, -38.4755, 19.7710

Details

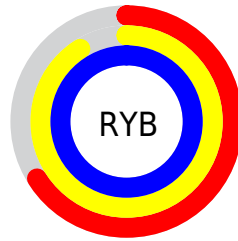
The Yxy color **84.2193, 0.2909, 0.3902** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.9179, 0.3437, 0.2751**, and the grayscale version is **74.0734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **46.1037, 0.2854, 0.4052** is the 20% darker color. If you saturate the color by 10%, you get **80.9640, 0.2856, 0.4124**, and if you desaturate by 10%, it is **88.1060, 0.2970, 0.3697**.

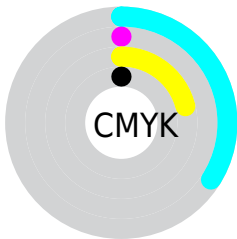
Distribution



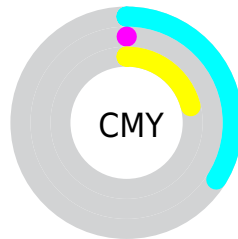
- Red (66%)
- Green (100%)
- Blue (79%)



- Red (66%)
- Yellow (91%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2193, 0.2909, 0.3902 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 84.2193, 0.2909, 0.3902 by changing the saturation by 10% instead.

 84.2193, 0.2909,
0.3902

 84.2193, 0.2909,
0.3902


509.0412, 0.3013,
0.3614

 63.1965, 0.2884,
0.3969


 139.2819, 0.2946,
0.3801

 46.0002, 0.2854,
0.4052


174.0905, 0.2960,
0.3762

 32.2460, 0.2814,
0.4159


214.2632, 0.2972,
0.3729

 21.5495, 0.2761,
0.4299

260.1843, 0.2983,
0.3700

 13.5262, 0.2687,
0.4493

312.2383, 0.2992,
0.3674

 7.7919, 0.2577,
0.4776


370.8095, 0.3000,


 3.9621, 0.2399,


0.3652


0.5226


436.2823, 0.3007,
0.3632


 1.6524, 0.2027,
0.6331


 0.3925, 0.0000,
1.0000

 84.2193, 0.2909,
0.3902


 84.2193, 0.2909,
0.3902

 80.9640, 0.2856,
0.4124

 88.1060, 0.2970,
0.3697

 78.2973, 0.2814,
0.4359

 92.6474, 0.3035,
0.3512

 76.1843, 0.2787,
0.4602

 97.8756, 0.3102,
0.3347

 74.5825, 0.2777,
0.4844

100.0000, 0.3127,
0.3290

■ 73.4432, 0.2785,
0.5076

■ 72.7071, 0.2813,
0.5289

■ 72.3990, 0.2836,
0.5409

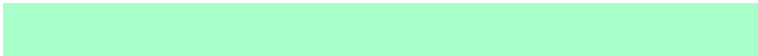
Harmonies

Analogous

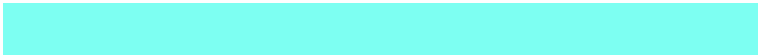
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2193, 0.3369, 0.4122



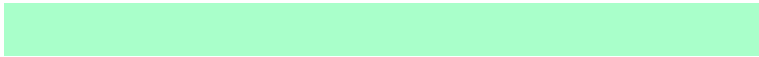
84.2193, 0.2909, 0.3902



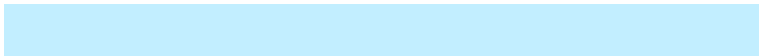
84.2193, 0.2527, 0.3477

Triad

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



84.2193, 0.2909, 0.3902



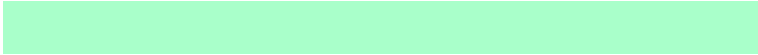
84.2193, 0.2478, 0.2551



84.2193, 0.4019, 0.3447

Complementary

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



84.2193, 0.2909, 0.3902



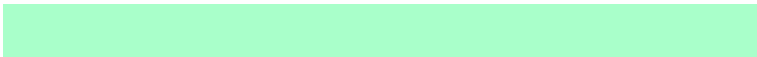
54.9179, 0.3437, 0.2751

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.



84.2193, 0.3746, 0.3080



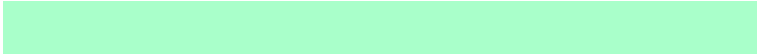
84.2193, 0.2909, 0.3902



84.2193, 0.2836, 0.2585

Square

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



84.2193, 0.2909, 0.3902



84.2193, 0.2294, 0.2699



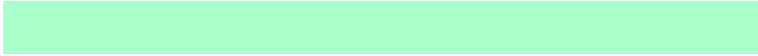
84.2193, 0.3301, 0.2774



84.2193, 0.4028, 0.3806

Rectangle

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



84.2193, 0.2909, 0.3902



84.2193, 0.2361, 0.3168



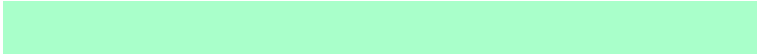
84.2193, 0.3301, 0.2774



84.2193, 0.3955, 0.3322

Sweetspot

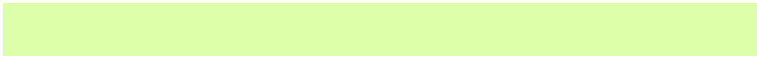
The Sweet Spot groups the original color and five complimentary colors.



84.2221, 0.2909, 0.3902



94.5092, 0.3060, 0.3448



89.9214, 0.3413, 0.4201



20.0758, 0.3050, 0.3472



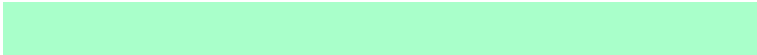
0.0000, 0.0000, 0.0000



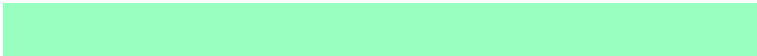
21.4041, 0.3127, 0.3290

Same Dimension

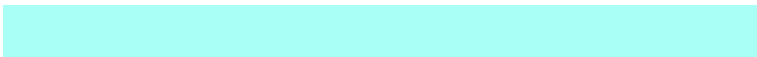
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2221, 0.2909, 0.3902



82.1043, 0.2875, 0.4040



86.5480, 0.2695, 0.3399



20.2835, 0.3063, 0.3440



37.8569, 0.2827, 0.5378



3.7065, 0.2764, 0.5151

Inverse Universe

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



54.9179, 0.3437, 0.2751



48.9931, 0.3516, 0.2650



52.9003, 0.3830, 0.3187



18.1753, 0.3197, 0.3145



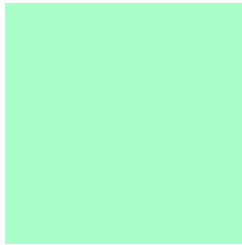
12.4136, 0.4478, 0.2240



1.2300, 0.4293, 0.2139

Previews

White Background



This preview shows how the Yxy color 84.2193, 0.2909, 0.3902 looks on a white background.

Color Contrast Check

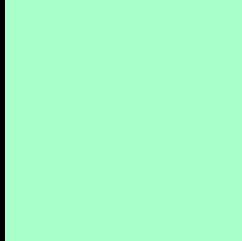
Large Text (above 18pt) WCAG AA × Fail

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 84.2193, 0.2909, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

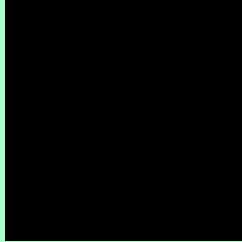
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.2193, 0.2909, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 84.2193, 0.2909, 0.3902.

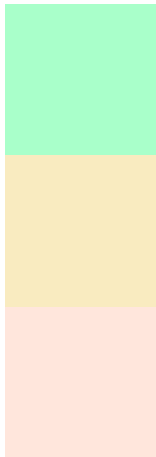


This preview shows how white text looks on a background with the Yxy color 84.2193, 0.2909, 0.3902.

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

84.2193, 0.2909, 0.3902

Protanopia

83.3622, 0.3503, 0.3730

Deuteranopia

83.0209, 0.3367, 0.3390



Tritanopia

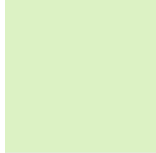
83.5616, 0.2818, 0.3152

Trichromacy



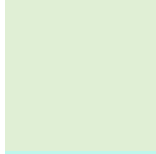
Original Color

84.2193, 0.2909, 0.3902



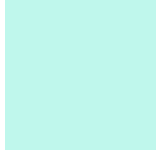
Protanomaly

82.7054, 0.3262, 0.3787



Deuteranomaly

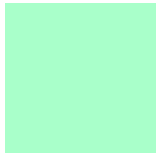
82.3844, 0.3187, 0.3567



Tritanomaly

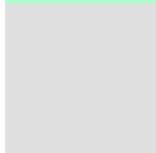
83.6540, 0.2848, 0.3409

Monochromacy



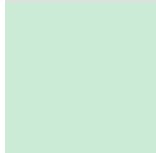
Original Color

84.2193, 0.2909, 0.3902



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0195, 0.3038, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2193, 0.2909, 0.3902 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(169, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 202)  
}
```

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(169, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 202) }
```

Border

The CSS property to change the border of an element to Yxy 84.2193, 0.2909, 0.3902 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(169, 255, 202) }
```

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

```
.border{ border-color:rgb(169, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2193, 0.2909, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 202) }
```

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

```
.background{ background-color: rgb(169,  
255, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor