

Converting Colors

$Yxy(84.4479, 0.2929, 0.3915)$

Have a look what the booklet for
Yxy(84.4479, 0.2929, 0.3915)
contains.

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Color

Yxy(84.3950, 0.2925, 0.3912)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFC9
RGB	171, 255, 201
RGB Percent	67%, 100%, 79%
CMY	0.3293, 0.0000, 0.2117
CMYK	0.33, 0.00, 0.21, 0.00
HSL	141°, 100%, 84%
HSV	141°, 33%, 100%
XYZ	63.1021, 84.3950, 68.2366
YIQ	223.7280, -32.7300, -34.6020

Conversions

Conversions Part 2

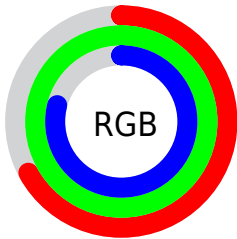
Format	Color
RYB	171, 233, 255
Decimal	11272137
CIELab	93.62, -36.32, 17.85
CIElCh	94, 40.471, 153.827
Yxy	84.3950, 0.2925, 0.3912
Android (android.graphics.Color)	4289462217 (0xFFABFFC9)
YUV	223.7280, -11.2049, -46.2425
Hunter-Lab	91.8668, -38.1575, 20.2675

Details

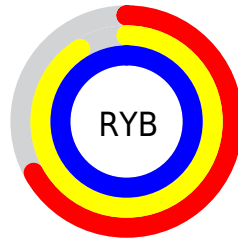
The Yxy color **84.3950, 0.2925, 0.3912** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.8288, 0.3409, 0.2742**, and the grayscale version is **74.4415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **46.2078, 0.2873, 0.4065** is the 20% darker color. If you saturate the color by 10%, you get **81.0744, 0.2874, 0.4143**, and if you desaturate by 10%, it is **88.3568, 0.2983, 0.3700**.

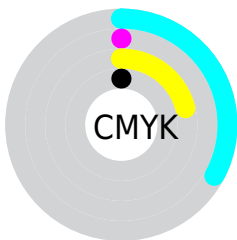
Distribution



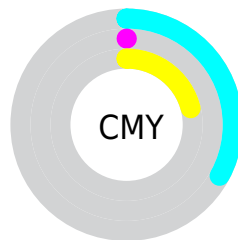
- Red (67%)
- Green (100%)
- Blue (79%)



- Red (67%)
- Yellow (91%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3950, 0.2925, 0.3912 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 84.3950, 0.2925, 0.3912 by changing the saturation by 10% instead.


 84.3950, 0.2925,
0.3912

 84.3950, 0.2925,
0.3912

509.6240, 0.3022,
0.3619

 63.3416, 0.2902,
0.3980


 139.5276, 0.2959,
0.3809

 46.1176, 0.2873,
0.4065


174.3756, 0.2973,
0.3770

 32.3386, 0.2836,
0.4173


214.5905, 0.2984,
0.3736

 21.6203, 0.2785,
0.4316

260.5569, 0.2994,
0.3706

 13.5782, 0.2715,
0.4512

312.6590, 0.3002,
0.3680

 7.8279, 0.2610,
0.4800


371.2813, 0.3010,


 3.9850, 0.2438,


0.3658


0.5256


436.8082, 0.3016,
0.3637


 1.6652, 0.2098,
0.6390


 0.4010, 0.0000,
1.0000


 84.3950, 0.2925,
0.3912


 84.3950, 0.2925,
0.3912

 81.0744, 0.2874,
0.4143

 88.3568, 0.2983,
0.3700

 78.3508, 0.2834,
0.4388

 92.9817, 0.3045,
0.3508

 76.1896, 0.2807,
0.4640

 98.3028, 0.3108,
0.3336

 74.5484, 0.2797,
0.4891

100.0000, 0.3127,
0.3290

■ 73.3787, 0.2805,
0.5131

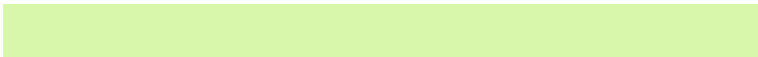
■ 72.6219, 0.2831,
0.5347

■ 72.2773, 0.2856,
0.5483

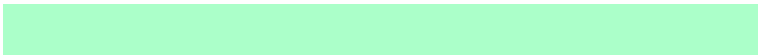
Harmonies

Analogous

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



84.3950, 0.3384, 0.4122



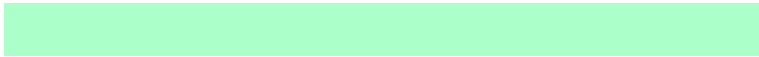
84.3950, 0.2925, 0.3912



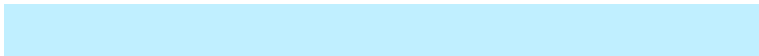
84.3950, 0.2539, 0.3493

Triad

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



84.3950, 0.2925, 0.3912



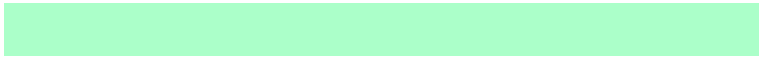
84.3950, 0.2471, 0.2555



84.3950, 0.4011, 0.3434

Complementary

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



84.3950, 0.2925, 0.3912



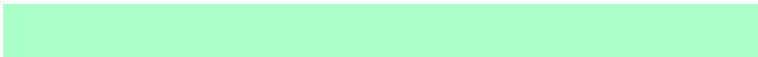
55.8288, 0.3409, 0.2742

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.



84.3950, 0.3731, 0.3069



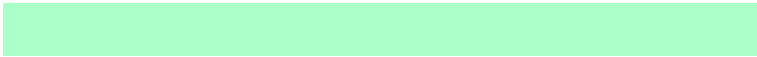
84.3950, 0.2925, 0.3912



84.3950, 0.2823, 0.2582

Square

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



84.3950, 0.2925, 0.3912



84.3950, 0.2294, 0.2709



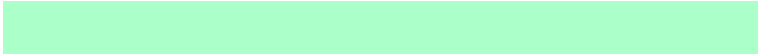
84.3950, 0.3284, 0.2767



84.3950, 0.4030, 0.3793

Rectangle

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



84.3950, 0.2925, 0.3912



84.3950, 0.2369, 0.3184



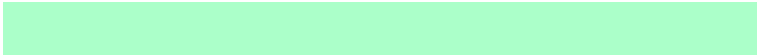
84.3950, 0.3284, 0.2767



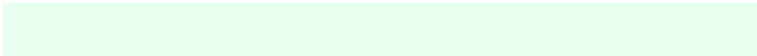
84.3950, 0.3944, 0.3309

Sweetspot

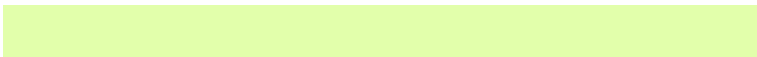
The Sweet Spot groups the original color and five complimentary colors.



84.3983, 0.2925, 0.3912



94.4694, 0.3063, 0.3455



90.5662, 0.3426, 0.4173



20.0662, 0.3055, 0.3480



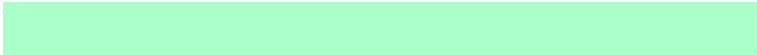
0.0000, 0.0000, 0.0000



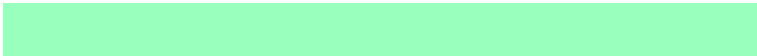
21.4041, 0.3127, 0.3290

Same Dimension

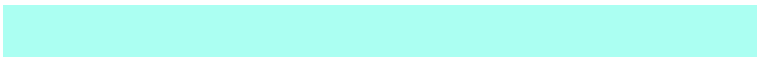
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3983, 0.2925, 0.3912



81.9858, 0.2888, 0.4073



86.6151, 0.2717, 0.3428



20.2754, 0.3067, 0.3447



37.7922, 0.2848, 0.5453



3.6996, 0.2785, 0.5225

Inverse Universe

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



55.8288, 0.3409, 0.2742



49.1336, 0.3491, 0.2624



53.8375, 0.3781, 0.3160



18.1837, 0.3193, 0.3138



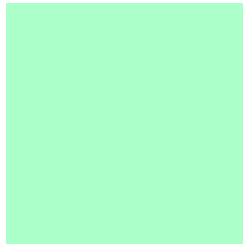
12.5368, 0.4371, 0.2182



1.2415, 0.4203, 0.2089

Previews

White Background



This preview shows how the Yxy color 84.3950, 0.2925, 0.3912 looks on a white background.

Color Contrast Check

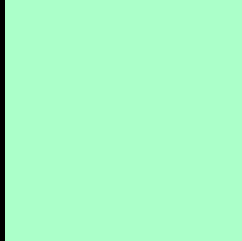
Large Text (above 18pt) WCAG AA × Fail

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 84.3950, 0.2925, 0.3912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

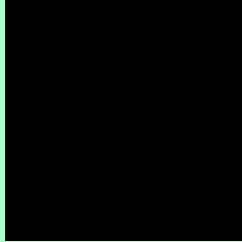
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

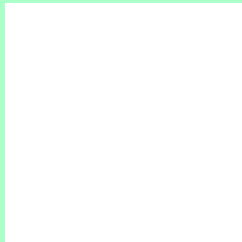
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3950, 0.2925, 0.3912

Background



This preview shows how black text looks on a background with the Yxy color 84.3950, 0.2925, 0.3912.

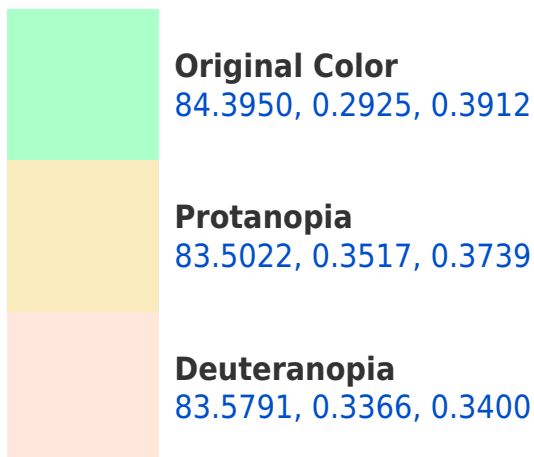


This preview shows how white text looks on a background with the Yxy color 84.3950, 0.2925, 0.3912.

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

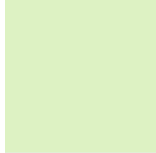
83.8461, 0.2830, 0.3153

Trichromacy



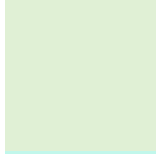
Original Color

84.3950, 0.2925, 0.3912



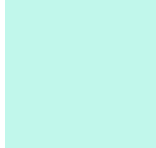
Protanomaly

82.8165, 0.3275, 0.3797



Deuteranomaly

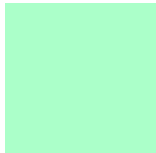
82.9716, 0.3186, 0.3577



Tritanomaly

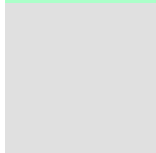
83.8571, 0.2865, 0.3420

Monochromacy



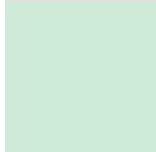
Original Color

84.3950, 0.2925, 0.3912



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3537, 0.3045, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3950, 0.2925, 0.3912 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 84.3950, 0.2925, 0.3912 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, 201) }
```

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

```
.border{ border-color:rgb(171, 255, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3950, 0.2925, 0.3912 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, 201) }
```

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

```
.background{ background-color: rgb(171,  
255, 201) }
```

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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