

Converting Colors

Yxy(84.8563, 0.2811, 0.3699)

Have a look what the booklet for
Yxy(84.8563, 0.2811, 0.3699)
contains.

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Color

Yxy(84.8500, 0.2812, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	A7FFDB
RGB	167, 255, 219
RGB Percent	65%, 100%, 86%
CMY	0.3450, 0.0000, 0.1412
CMYK	0.34, 0.00, 0.14, 0.00
HSL	155°, 100%, 83%
HSV	155°, 34%, 100%
XYZ	64.4860, 84.8500, 79.9883
YIQ	224.5840, -40.8920, -29.8520

Conversions

Conversions Part 2

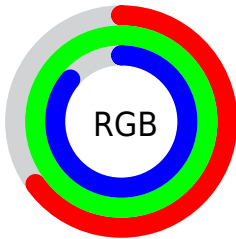
Format	Color
RYB	167, 222, 255
Decimal	11010011
CIELab	93.82, -34.00, 8.88
CIElCh	94, 35.144, 165.364
Yxy	84.8500, 0.2812, 0.3700
Android (android.graphics.Color)	4289200091 (0xFFA7FFDB)
YUV	224.5840, -2.7529, -50.5012
Hunter-Lab	92.1141, -36.2377, 12.9947

Details

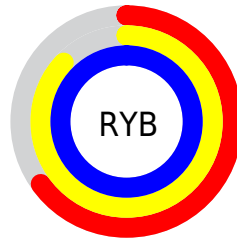
The Yxy color **84.8500, 0.2812, 0.3700** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.2233, 0.3610, 0.2918**, and the grayscale version is **75.0289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **46.4480, 0.2737, 0.3800** is the 20% darker color. If you saturate the color by 10%, you get **81.8108, 0.2738, 0.3844**, and if you desaturate by 10%, it is **88.4773, 0.2896, 0.3567**.

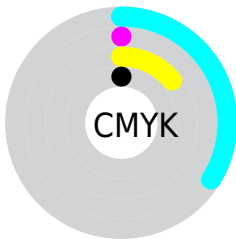
Distribution



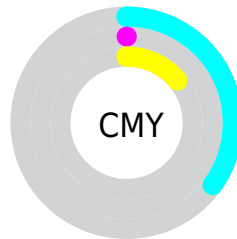
- Red (65%)
- Green (100%)
- Blue (86%)



- Red (65%)
- Yellow (87%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8500, 0.2812, 0.3700 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 84.8500, 0.2812, 0.3700 by changing the saturation by 10% instead.


 84.8500, 0.2812,
0.3700

 84.8500, 0.2812,
0.3700

511.1316, 0.2956,
0.3510

 63.7174, 0.2779,
0.3744


 140.1636, 0.2862,
0.3634

 46.4219, 0.2739,
0.3797


175.1134, 0.2881,
0.3608

 32.5788, 0.2689,
0.3866


215.4378, 0.2898,
0.3586

 21.8040, 0.2623,
0.3955

261.5211, 0.2913,
0.3567

 13.7130, 0.2535,
0.4077

313.7477, 0.2926,
0.3550

 7.9213, 0.2410,
0.4253

372.5021, 0.2937,

 4.0446, 0.2219,

0.3535

0.4528

438.1686, 0.2947,
0.3522

■ 1.6986, 0.1852,
0.5041

■ 0.4227, 0.0000,
1.0000

■ 84.8500, 0.2812,
0.3700

■ 84.8500, 0.2812,
0.3700

■ 81.8108, 0.2738,
0.3844

■ 88.4773, 0.2896,
0.3567

■ 79.3177, 0.2679,
0.3996

■ 92.7139, 0.2987,
0.3445

■ 77.3373, 0.2636,
0.4155

■ 97.5909, 0.3083,
0.3336

■ 75.8286, 0.2613,
0.4317

100.0000, 0.3127,
0.3290

 74.7443, 0.2611,
0.4478

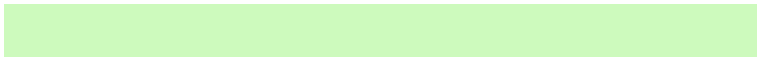
 74.0261, 0.2628,
0.4636

 73.7418, 0.2645,
0.4720

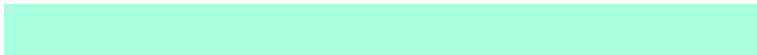
Harmonies

Analogous

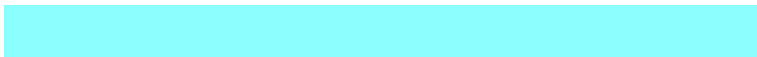
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8500, 0.3200, 0.3963



84.8500, 0.2812, 0.3700



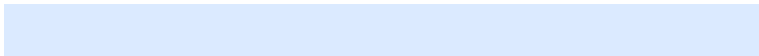
84.8500, 0.2520, 0.3313

Triad

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



84.8500, 0.2812, 0.3700



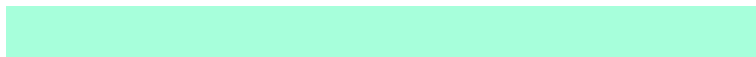
84.8500, 0.2657, 0.2637



84.8500, 0.3927, 0.3547

Complementary

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



84.8500, 0.2812, 0.3700



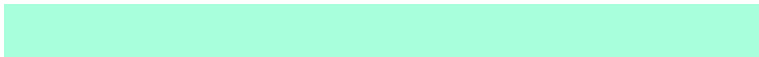
53.2233, 0.3610, 0.2918

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.



84.8500, 0.3766, 0.3220



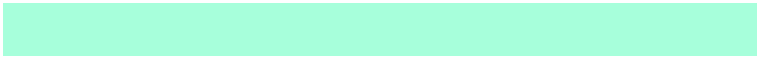
84.8500, 0.2812, 0.3700



84.8500, 0.3013, 0.2716

Square

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



84.8500, 0.2812, 0.3700



84.8500, 0.2437, 0.2714



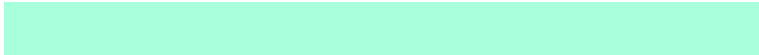
84.8500, 0.3422, 0.2924



84.8500, 0.3856, 0.3837

Rectangle

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



84.8500, 0.2812, 0.3700



84.8500, 0.2412, 0.3061



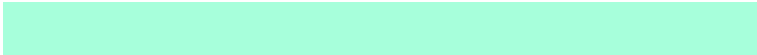
84.8500, 0.3422, 0.2924



84.8500, 0.3899, 0.3439

Sweetspot

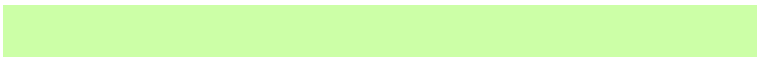
The Sweet Spot groups the original color and five complimentary colors.



84.8530, 0.2812, 0.3700



94.8262, 0.3030, 0.3395



87.1042, 0.3304, 0.4260



20.1524, 0.3017, 0.3410



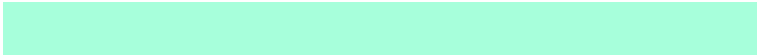
0.0000, 0.0000, 0.0000



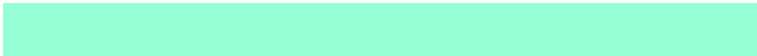
21.4041, 0.3127, 0.3290

Same Dimension

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



84.8530, 0.2812, 0.3700



82.8104, 0.2763, 0.3792



82.3707, 0.2627, 0.3208



20.3482, 0.3035, 0.3389



38.5621, 0.2637, 0.4695



3.7764, 0.2588, 0.4518

Inverse Universe

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



53.2233, 0.3610, 0.2918



47.0779, 0.3741, 0.2847



54.4639, 0.3924, 0.3370



18.1104, 0.3230, 0.3193



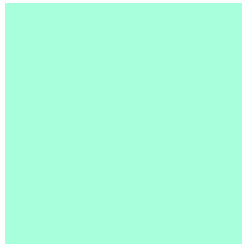
11.6630, 0.5346, 0.2719



1.1566, 0.5048, 0.2554

Previews

White Background



This preview shows how the Yxy color 84.8500, 0.2812, 0.3700 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 84.8500, 0.2812, 0.3700 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 84.8500, 0.2812, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 84.8500, 0.2812, 0.3700.

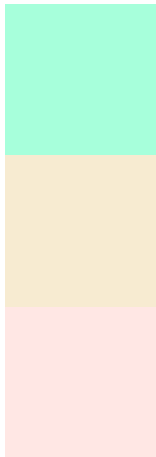


This preview shows how white text looks on a background with the Yxy color 84.8500, 0.2812, 0.3700.

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

84.8500, 0.2812, 0.3700

Protanopia

83.7943, 0.3377, 0.3556

Deuteranopia

84.0133, 0.3313, 0.3320



Tritanopia

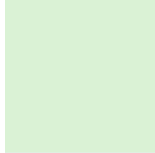
84.3003, 0.2825, 0.3163

Trichromacy



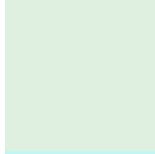
Original Color

84.8500, 0.2812, 0.3700



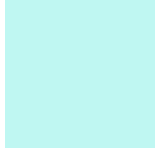
Protanomaly

83.2138, 0.3145, 0.3601



Deuteranomaly

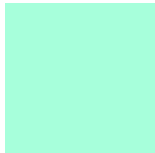
83.4444, 0.3107, 0.3448



Tritanomaly

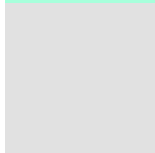
84.0087, 0.2817, 0.3343

Monochromacy



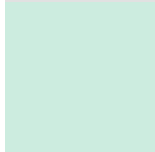
Original Color

84.8500, 0.2812, 0.3700



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.1560, 0.2996, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8500, 0.2812, 0.3700 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(167, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 219)  
}
```

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(167, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 84.8500, 0.2812, 0.3700 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(167, 255, 219) }
```

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

```
.border{ border-color:rgb(167, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8500, 0.2812, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 219) }
```

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

```
.background{ background-color: rgb(167,  
255, 219) }
```

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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