

Converting Colors

$Y_{xy}(129.3498, 0.2883, 0.4309)$

Have a look what the booklet for
Yxy(129.3498, 0.2883, 0.4309)
contains.

Yxy(84.8101, 0.2847, 0.3758)	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(84.8101, 0.2847, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	A9FFD6
RGB	169, 255, 214
RGB Percent	66%, 100%, 84%
CMY	0.3375, 0.0000, 0.1607
CMYK	0.34, 0.00, 0.16, 0.00
HSL	151°, 100%, 83%
HSV	151°, 34%, 100%
XYZ	64.2508, 84.8101, 76.6180
YIQ	224.6120, -38.0950, -30.9830

Conversions

Conversions Part 2

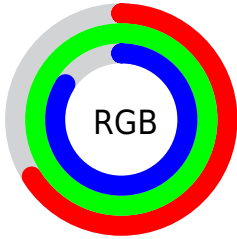
Format	Color
RYB	169, 225, 255
Decimal	11141078
CIELab	93.80, -34.46, 11.42
CIELCh	94, 36.308, 161.665
Yxy	84.8101, 0.2847, 0.3758
Android (android.graphics.Color)	4289331158 (0xFFA9FFD6)
YUV	224.6120, -5.2317, -48.7717
Hunter-Lab	92.0924, -36.6263, 15.1373

Details

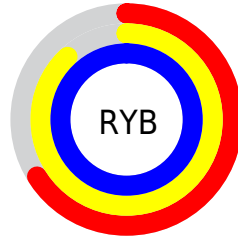
The Yxy color **84.8101, 0.2847, 0.3758** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.2583, 0.3544, 0.2869**, and the grayscale version is **75.0464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **46.4688, 0.2786, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **81.6570, 0.2779, 0.3926**, and if you desaturate by 10%, it is **88.5464, 0.2924, 0.3603**.

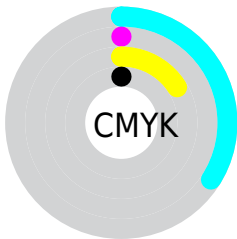
Distribution



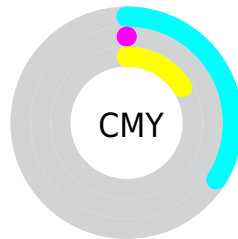
- Red (66%)
- Green (100%)
- Blue (84%)



- Red (66%)
- Yellow (88%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8101, 0.2847, 0.3758 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 84.8101, 0.2847, 0.3758 by changing the saturation by 10% instead.

 84.8101, 0.2847,
0.3758

 84.8101, 0.2847,
0.3758

510.9995, 0.2977,
0.3540

 63.6845, 0.2817,
0.3808

 140.1078, 0.2892,
0.3682

 46.3952, 0.2781,
0.3870


175.0487, 0.2909,
0.3653

 32.5578, 0.2735,
0.3949


215.3635, 0.2924,
0.3627

 21.7879, 0.2674,
0.4053

261.4366, 0.2938,
0.3605

 13.7011, 0.2593,
0.4195

313.6523, 0.2949,
0.3586

 7.9131, 0.2475,
0.4402

372.3951, 0.2959,

 4.0394, 0.2293,

0.3569

0.4727

438.0494, 0.2968,
0.3554

1.6956, 0.1926,
0.5346

0.4208, 0.0000,
1.0000

84.8101, 0.2847,
0.3758

84.8101, 0.2847,
0.3758

81.6570, 0.2779,
0.3926

88.5464, 0.2924,
0.3603

79.0733, 0.2725,
0.4105

92.9157, 0.3007,
0.3461

77.0161, 0.2686,
0.4291

97.9400, 0.3094,
0.3334

75.4445, 0.2667,
0.4481

100.0000, 0.3127,
0.3290

■ 74.3111, 0.2668,
0.4669

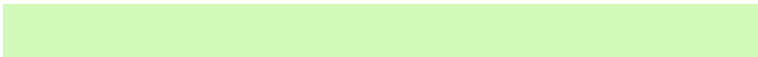
■ 73.5583, 0.2690,
0.4850

■ 73.2302, 0.2711,
0.4958

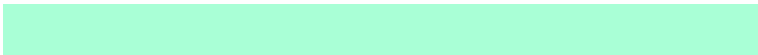
Harmonies

Analogous

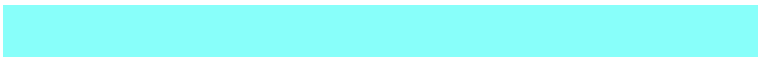
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8101, 0.3253, 0.4005



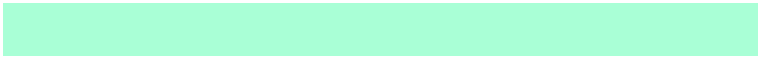
84.8101, 0.2847, 0.3758



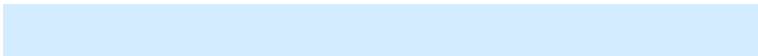
84.8101, 0.2530, 0.3364

Triad

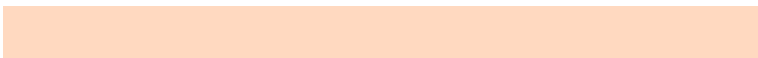
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8101, 0.2847, 0.3758



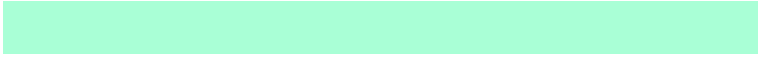
84.8101, 0.2606, 0.2618



84.8101, 0.3947, 0.3513

Complementary

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



84.8101, 0.2847, 0.3758



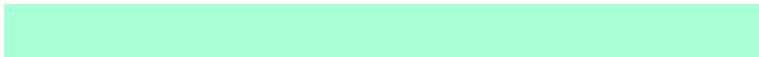
54.2583, 0.3544, 0.2869

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.



84.8101, 0.3752, 0.3176



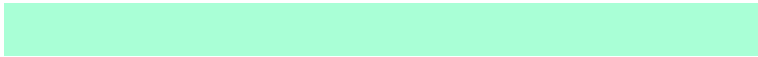
84.8101, 0.2847, 0.3758



84.8101, 0.2958, 0.2681

Square

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



84.8101, 0.2847, 0.3758



84.8101, 0.2399, 0.2716



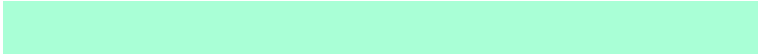
84.8101, 0.3381, 0.2880



84.8101, 0.3902, 0.3821

Rectangle

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



84.8101, 0.2847, 0.3758



84.8101, 0.2404, 0.3098



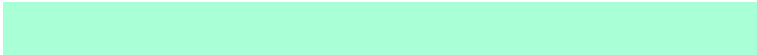
84.8101, 0.3381, 0.2880



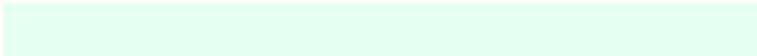
84.8101, 0.3907, 0.3400

Sweetspot

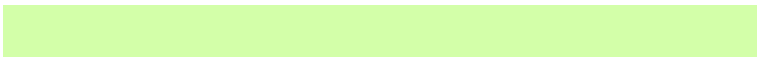
The Sweet Spot groups the original color and five complimentary colors.



84.8037, 0.2847, 0.3758



94.7230, 0.3040, 0.3412



88.1616, 0.3338, 0.4225



20.1274, 0.3027, 0.3430



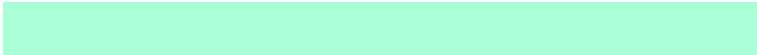
0.0000, 0.0000, 0.0000



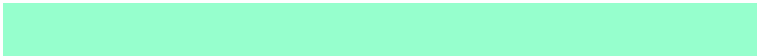
21.4041, 0.3127, 0.3290

Same Dimension

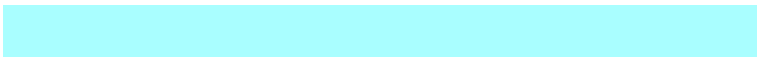
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8037, 0.2847, 0.3758



82.4656, 0.2797, 0.3879



86.2554, 0.2645, 0.3273



20.3272, 0.3044, 0.3405



38.2948, 0.2703, 0.4930



3.7507, 0.2647, 0.4729

Inverse Universe

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



54.2583, 0.3544, 0.2869



47.3971, 0.3672, 0.2777



53.0083, 0.3921, 0.3307



18.1311, 0.3219, 0.3177



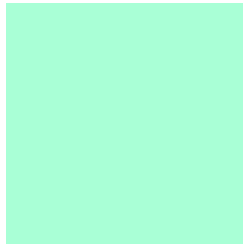
11.8649, 0.5066, 0.2564



1.1772, 0.4799, 0.2417

Previews

White Background



This preview shows how the Yxy color 84.8101, 0.2847, 0.3758 looks on a white background.

Color Contrast Check

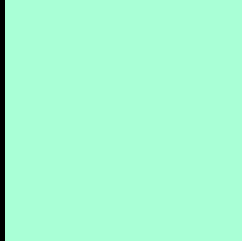
Large Text (above 18pt) WCAG AA × Fail

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 84.8101, 0.2847, 0.3758 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

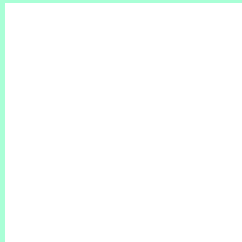
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8101, 0.2847, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 84.8101, 0.2847, 0.3758.

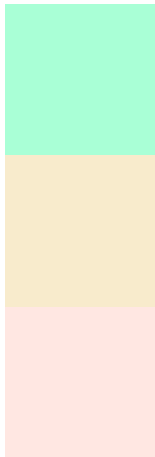


This preview shows how white text looks on a background with the Yxy color 84.8101, 0.2847, 0.3758.

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

84.8101, 0.2847, 0.3758

Protanopia

83.7328, 0.3417, 0.3607

Deuteranopia

83.9028, 0.3326, 0.3340



Tritanopia

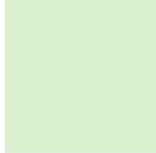
84.4430, 0.2831, 0.3164

Trichromacy



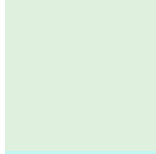
Original Color

84.8101, 0.2847, 0.3758



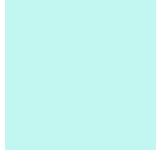
Protanomaly

83.1184, 0.3182, 0.3656



Deuteranomaly

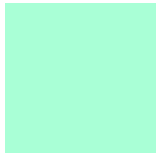
83.4414, 0.3131, 0.3480



Tritanomaly

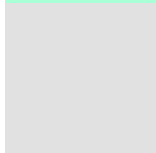
84.1503, 0.2838, 0.3365

Monochromacy



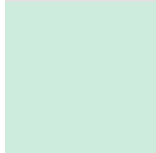
Original Color

84.8101, 0.2847, 0.3758



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.1905, 0.3015, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8101, 0.2847, 0.3758 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 84.8101, 0.2847, 0.3758 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, 214) }
```

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

```
.border{ border-color:rgb(169, 255, 214) }
```

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, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8101, 0.2847, 0.3758 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, 214) }
```

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

```
.background{ background-color: rgb(169,  
255, 214) }
```

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