

Converting Colors

$Yxy(82.4010, 0.2970, 0.4167)$

Have a look what the booklet for
Yxy(82.4010, 0.2970, 0.4167)
contains.

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Color

Yxy(82.4333, 0.2973, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	A1FFB5
RGB	161, 255, 181
RGB Percent	63%, 100%, 71%
CMY	0.3687, 0.0000, 0.2901
CMYK	0.37, 0.00, 0.29, 0.00
HSL	133°, 100%, 82%
HSV	133°, 37%, 100%
XYZ	58.7990, 82.4333, 56.5443
YIQ	218.4580, -32.2700, -42.9420

Conversions

Conversions Part 2

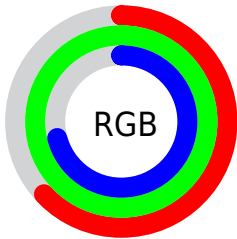
Format	Color
RYB	161, 239, 255
Decimal	10616757
CIELab	92.77, -42.78, 26.77
CIELCh	93, 50.466, 147.965
Yxy	82.4333, 0.2973, 0.4168
Android (android.graphics.Color)	4288806837 (0xFFA1FFB5)
YUV	218.4580, -18.4668, -50.3907
Hunter-Lab	90.7928, -43.2877, 26.6301

Details

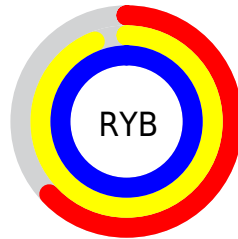
The Yxy color **82.4333, 0.2973, 0.4168** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.7415, 0.3335, 0.2550**, and the grayscale version is **70.5899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5399, 0.3003, 0.3475**, and **44.9499, 0.2922, 0.4390** is the 20% darker color. If you saturate the color by 10%, you get **79.2837, 0.2939, 0.4459**, and if you desaturate by 10%, it is **86.2420, 0.3012, 0.3896**.

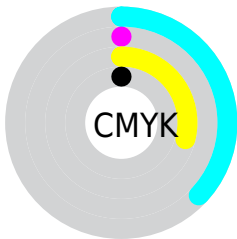
Distribution



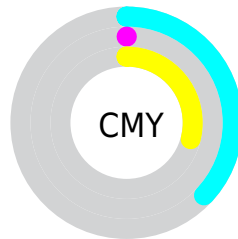
- Red (63%)
- Green (100%)
- Blue (71%)



- Red (63%)
- Yellow (94%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4333, 0.2973, 0.4168 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 82.4333, 0.2973, 0.4168 by changing the saturation by 10% instead.

 82.4333, 0.2973,
0.4168


 82.4333, 0.2973,
0.4168

503.0959, 0.3055,
0.3748

 61.7228, 0.2952,
0.4267

 136.7815, 0.3003,
0.4020

 44.8087, 0.2924,
0.4391

 171.1879, 0.3015,
0.3963

 31.3068, 0.2887,
0.4549

210.9284, 0.3024,
0.3914

 20.8326, 0.2834,
0.4760

256.3874, 0.3032,
0.3872

 13.0017, 0.2757,
0.5052

307.9492, 0.3039,
0.3835

 7.4297, 0.2631,
0.5479


365.9983, 0.3045,


 3.7323, 0.2408,

0.3803


0.6153

430.9191, 0.3050,
0.3774


 1.5249, 0.1639,
0.8361

 0.3062, 0.0000,
1.0000

 82.4333, 0.2973,
0.4168


 82.4333, 0.2973,
0.4168

 79.2837, 0.2939,
0.4459

 86.2420, 0.3012,
0.3896

 76.7546, 0.2914,
0.4760

 90.7443, 0.3054,
0.3648

 74.8041, 0.2900,
0.5057

 95.9729, 0.3098,
0.3427

 73.3847, 0.2900,
0.5333

100.0000, 0.3127,
0.3290

■ 72.4413, 0.2913,
0.5571

■ 71.9047, 0.2938,
0.5757

■ 71.7898, 0.2945,
0.5804

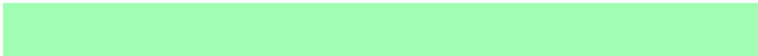
Harmonies

Analogous

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



82.4333, 0.3544, 0.4355



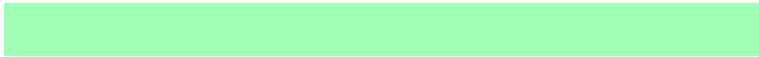
82.4333, 0.2973, 0.4168



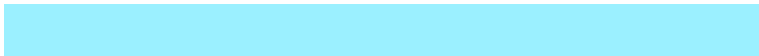
82.4333, 0.2471, 0.3658

Triad

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



82.4333, 0.2973, 0.4168



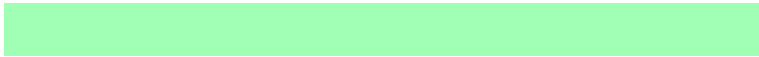
82.4333, 0.2256, 0.2401



82.4333, 0.4196, 0.3362

Complementary

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



82.4333, 0.2973, 0.4168



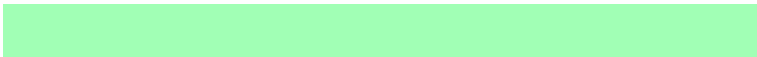
52.7415, 0.3335, 0.2550

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.



82.4333, 0.3785, 0.2931



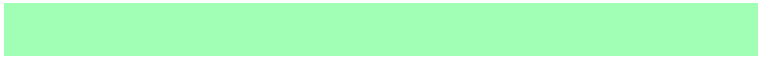
82.4333, 0.2973, 0.4168



82.4333, 0.2645, 0.2400

Square

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



82.4333, 0.2973, 0.4168



82.4333, 0.2089, 0.2622



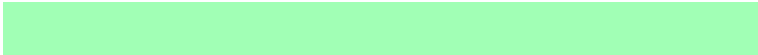
82.4333, 0.3200, 0.2591



82.4333, 0.4280, 0.3812

Rectangle

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



82.4333, 0.2973, 0.4168



82.4333, 0.2239, 0.3257



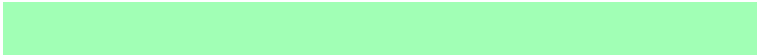
82.4333, 0.3200, 0.2591



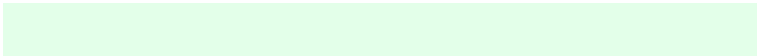
82.4333, 0.4091, 0.3212

Sweetspot

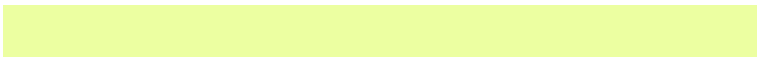
The Sweet Spot groups the original color and five complimentary colors.



82.4334, 0.2973, 0.4168



93.7220, 0.3080, 0.3515



91.9596, 0.3554, 0.4253



19.9082, 0.3074, 0.3545



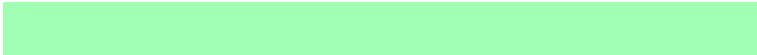
0.0000, 0.0000, 0.0000



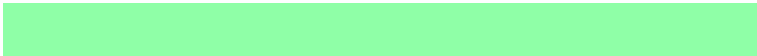
21.4041, 0.3127, 0.3290

Same Dimension

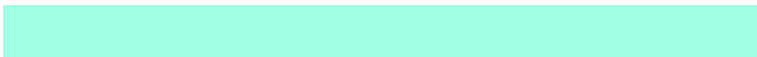
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4334, 0.2973, 0.4168



80.1215, 0.2948, 0.4374



84.6307, 0.2743, 0.3611



20.2315, 0.3086, 0.3482



37.5293, 0.2939, 0.5780



3.6693, 0.2884, 0.5581

Inverse Universe

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



52.7415, 0.3335, 0.2550



46.6189, 0.3387, 0.2412



50.4283, 0.3755, 0.2997



18.2301, 0.3171, 0.3105



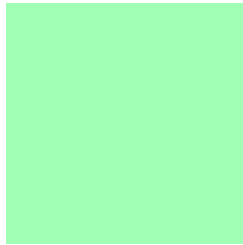
13.3261, 0.3836, 0.1887



1.3133, 0.3750, 0.1840

Previews

White Background



This preview shows how the Yxy color 82.4333, 0.2973, 0.4168 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 82.4333, 0.2973, 0.4168 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 82.4333, 0.2973, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 82.4333, 0.2973, 0.4168.

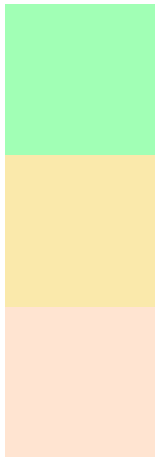


This preview shows how white text looks on a background with the Yxy color 82.4333, 0.2973, 0.4168.

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

82.4333, 0.2973, 0.4168

Protanopia

81.5421, 0.3655, 0.3926

Deuteranopia

81.3503, 0.3445, 0.3482



Tritanopia

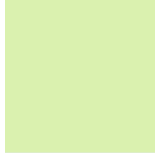
82.0009, 0.2777, 0.3140

Trichromacy



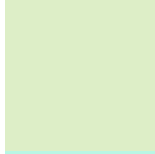
Original Color

82.4333, 0.2973, 0.4168



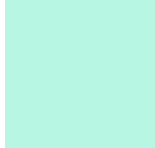
Protanomaly

80.9112, 0.3378, 0.4013



Deuteranomaly

80.6447, 0.3255, 0.3713



Tritanomaly

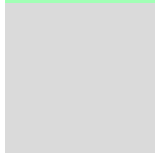
81.7033, 0.2851, 0.3490

Monochromacy



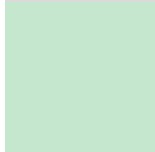
Original Color

82.4333, 0.2973, 0.4168



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.4299, 0.3059, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4333, 0.2973, 0.4168 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(161, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 181)  
}
```

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(161, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 181) }
```

Border

The CSS property to change the border of an element to Yxy 82.4333, 0.2973, 0.4168 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(161, 255, 181) }
```

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

```
.border{ border-color:rgb(161, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 255, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 255, 181); box-shadow:4px 4px 4px 4px rgb(161, 255, 181) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4333, 0.2973, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 181) }
```

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

```
.background{ background-color: rgb(161,  
255, 181) }
```

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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