

Converting Colors

$Yxy(92.4404, 0.3006, 0.4323)$

Have a look what the booklet for
Yxy(92.4404, 0.3006, 0.4323)
contains.

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Color

Yxy(82.7740, 0.3006, 0.4187)

Conversions

Conversions Part 1

Format	Color
Hex	A5FFB3
RGB	165, 255, 179
RGB Percent	65%, 100%, 70%
CMY	0.3526, 0.0000, 0.2980
CMYK	0.35, 0.00, 0.30, 0.00
HSL	129°, 100%, 82%
HSV	129°, 35%, 100%
XYZ	59.4265, 82.7740, 55.4924
YIQ	219.4260, -29.2440, -42.7160

Conversions

Conversions Part 2

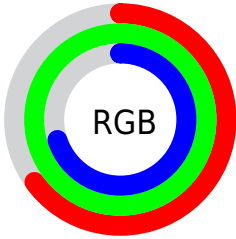
Format	Color
RYB	165, 243, 255
Decimal	10878899
CIELab	92.92, -41.92, 28.03
CIElCh	93, 50.425, 146.228
Yxy	82.7740, 0.3006, 0.4187
Android (android.graphics.Color)	4289068979 (0xFFA5FFB3)
YUV	219.4260, -19.9300, -47.7316
Hunter-Lab	90.9802, -42.6227, 27.5229

Details

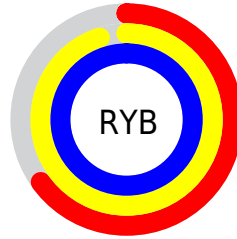
The Yxy color **82.7740, 0.3006, 0.4187** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.5543, 0.3280, 0.2535**, and the grayscale version is **71.3202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0478, 0.3038, 0.3495**, and **45.1457, 0.2959, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **79.5035, 0.2977, 0.4497**, and if you desaturate by 10%, it is **86.7328, 0.3039, 0.3898**.

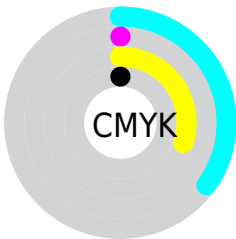
Distribution



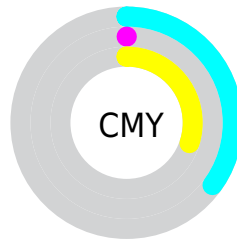
- Red (65%)
- Green (100%)
- Blue (70%)



- Red (65%)
- Yellow (95%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)



- Cyan (35%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7740, 0.3006, 0.4187 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 82.7740, 0.3006, 0.4187 by changing the saturation by 10% instead.


 82.7740, 0.3006,
0.4187

 82.7740, 0.3006,
0.4187


504.2330, 0.3073,
0.3758

 62.0037, 0.2988,
0.4288


 137.2589, 0.3032,
0.4036

 45.0357, 0.2964,
0.4414


 171.7423, 0.3041,
0.3978

 31.4856, 0.2931,
0.4575

211.5655, 0.3049,
0.3928

 20.9689, 0.2884,
0.4789

257.1130, 0.3055,
0.3885

 13.1012, 0.2813,
0.5085

308.7691, 0.3061,
0.3847

 7.4983, 0.2696,
0.5516


366.9182, 0.3066,


 3.7756, 0.2486,


0.3814

0.6197


431.9447, 0.3070,
0.3785

 1.5489, 0.1782,
0.8218

 0.3228, 0.0000,
1.0000


 82.7740, 0.3006,
0.4187


 82.7740, 0.3006,
0.4187


 79.5035, 0.2977,
0.4497

 86.7328, 0.3039,
0.3898

 76.8722, 0.2953,
0.4816

 91.4054, 0.3074,
0.3635

 74.8406, 0.2939,
0.5128

 96.8285, 0.3109,
0.3401

 73.3607, 0.2935,
0.5414

99.9943, 0.3127,
0.3290

■ 72.3767, 0.2943,
0.5652

■ 71.8208, 0.2960,
0.5829

■ 71.6640, 0.2969,
0.5889

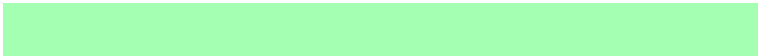
Harmonies

Analogous

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



82.7740, 0.3575, 0.4352



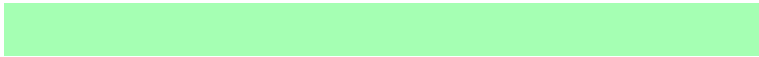
82.7740, 0.3006, 0.4187



82.7740, 0.2497, 0.3692

Triad

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



82.7740, 0.3006, 0.4187



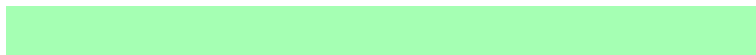
82.7740, 0.2242, 0.2410



82.7740, 0.4178, 0.3336

Complementary

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



82.7740, 0.3006, 0.4187



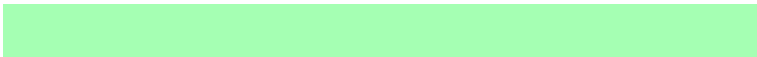
54.5543, 0.3280, 0.2535

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.



82.7740, 0.3753, 0.2909



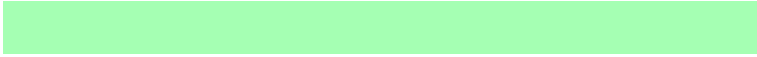
82.7740, 0.3006, 0.4187



82.7740, 0.2618, 0.2397

Square

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



82.7740, 0.3006, 0.4187



82.7740, 0.2089, 0.2643



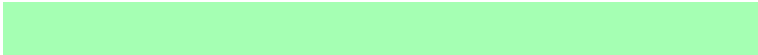
82.7740, 0.3165, 0.2576



82.7740, 0.4282, 0.3786

Rectangle

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



82.7740, 0.3006, 0.4187



82.7740, 0.2257, 0.3291



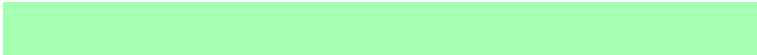
82.7740, 0.3165, 0.2576



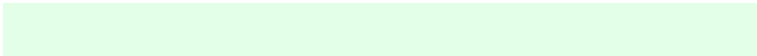
82.7740, 0.4067, 0.3187

Sweetspot

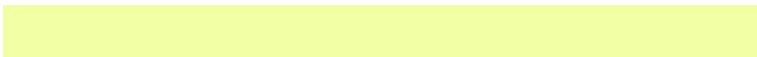
The Sweet Spot groups the original color and five complimentary colors.



82.7775, 0.3006, 0.4187



93.6288, 0.3089, 0.3532



93.0238, 0.3567, 0.4201



19.8862, 0.3084, 0.3564



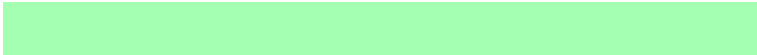
0.0000, 0.0000, 0.0000



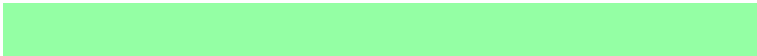
21.4041, 0.3127, 0.3290

Same Dimension

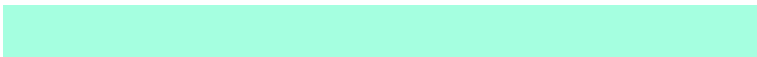
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7775, 0.3006, 0.4187



80.5043, 0.2986, 0.4394



84.8787, 0.2779, 0.3647



20.2140, 0.3094, 0.3497



37.4625, 0.2964, 0.5871



3.6603, 0.2916, 0.5697

Inverse Universe

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



54.5543, 0.3280, 0.2535



48.6063, 0.3316, 0.2395



52.2097, 0.3675, 0.2964



18.2492, 0.3162, 0.3091



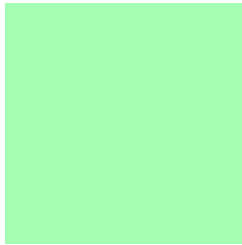
13.7048, 0.3645, 0.1782



1.3469, 0.3587, 0.1750

Previews

White Background



This preview shows how the Yxy color 82.7740, 0.3006, 0.4187 looks on a white background.

Color Contrast Check

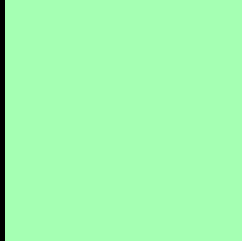
Large Text (above 18pt) WCAG AA × Fail

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 82.7740, 0.3006, 0.4187 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

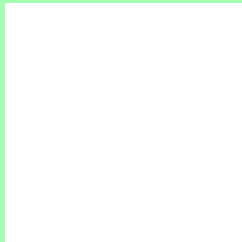
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7740, 0.3006, 0.4187

Background



This preview shows how black text looks on a background with the Yxy color 82.7740, 0.3006, 0.4187.

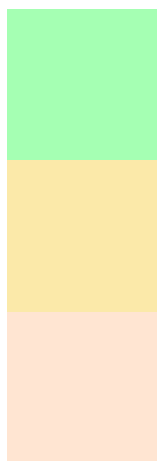


This preview shows how white text looks on a background with the Yxy color 82.7740, 0.3006, 0.4187.

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

82.7740, 0.3006, 0.4187

Protanopia

81.6516, 0.3675, 0.3944

Deuteranopia

81.9518, 0.3437, 0.3482



Tritanopia

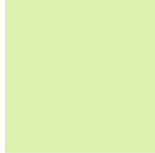
82.2727, 0.2789, 0.3141

Trichromacy



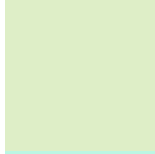
Original Color

82.7740, 0.3006, 0.4187



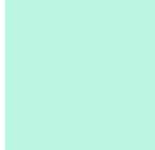
Protanomaly

81.1434, 0.3405, 0.4032



Deuteranomaly

80.8022, 0.3262, 0.3712



Tritanomaly

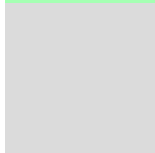
82.0224, 0.2873, 0.3501

Monochromacy



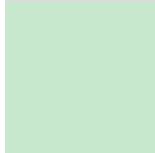
Original Color

82.7740, 0.3006, 0.4187



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2150, 0.3079, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7740, 0.3006, 0.4187 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(165, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 179)  
}
```

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(165, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 82.7740, 0.3006, 0.4187 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(165, 255, 179) }
```

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

```
.border{ border-color:rgb(165, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7740, 0.3006, 0.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 179) }
```

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

```
.background{ background-color: rgb(165,  
255, 179) }
```

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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