

Converting Colors

$Yxy(91.3079, 0.3009, 0.4322)$

Have a look what the booklet for
Yxy(91.3079, 0.3009, 0.4322)
contains.

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Color

Yxy(82.7337, 0.3011, 0.4199)

Conversions

Conversions Part 1

Format	Color
Hex	A5FFB2
RGB	165, 255, 178
RGB Percent	65%, 100%, 70%
CMY	0.3526, 0.0000, 0.3019
CMYK	0.35, 0.00, 0.30, 0.00
HSL	129°, 100%, 82%
HSV	129°, 35%, 100%
XYZ	59.3263, 82.7337, 54.9719
YIQ	219.3120, -28.9230, -43.0270

Conversions

Conversions Part 2

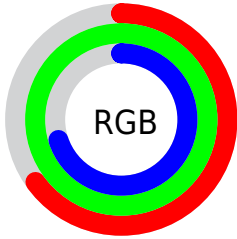
Format	Color
RYB	165, 244, 255
Decimal	10878898
CIELab	92.90, -42.08, 28.50
CIELCh	93, 50.823, 145.890
Yxy	82.7337, 0.3011, 0.4199
Android (android.graphics.Color)	4289068978 (0xFFA5FFB2)
YUV	219.3120, -20.3668, -47.6316
Hunter-Lab	90.9581, -42.7521, 27.8378

Details

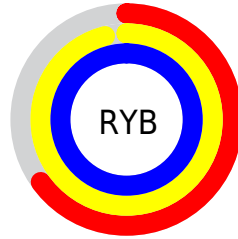
The Yxy color **82.7337, 0.3011, 0.4199** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.6104, 0.3272, 0.2526**, and the grayscale version is **71.2398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9901, 0.3044, 0.3506**, and **45.1200, 0.2966, 0.4430** is the 20% darker color. If you saturate the color by 10%, you get **79.4600, 0.2983, 0.4513**, and if you desaturate by 10%, it is **86.6990, 0.3043, 0.3906**.

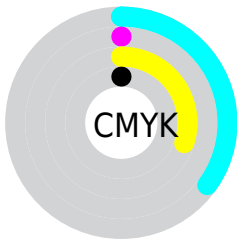
Distribution



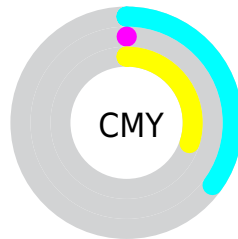
- Red (65%)
- Green (100%)
- Blue (70%)



- Red (65%)
- Yellow (96%)
- 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 82.7337, 0.3011, 0.4199 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 82.7337, 0.3011, 0.4199 by changing the saturation by 10% instead.

 82.7337, 0.3011,
0.4199


 82.7337, 0.3011,
0.4199


504.0986, 0.3076,
0.3764

 61.9705, 0.2993,
0.4301


 137.2024, 0.3036,
0.4046

 45.0089, 0.2969,
0.4429


 171.6767, 0.3045,
0.3987

 31.4644, 0.2937,
0.4593


211.4902, 0.3053,
0.3936

 20.9527, 0.2891,
0.4810

257.0272, 0.3059,
0.3893

 13.0895, 0.2820,
0.5110

308.6721, 0.3064,
0.3854

 7.4902, 0.2702,
0.5546

366.8094, 0.3069,

 3.7705, 0.2492,

0.3821

431.8234, 0.3073,
0.3791

0.6238

1.5460, 0.1759,
0.8241

0.3208, 0.0000,
1.0000

82.7337, 0.3011,
0.4199

82.7337, 0.3011,
0.4199

79.4600, 0.2983,
0.4513

86.6990, 0.3043,
0.3906

76.8284, 0.2960,
0.4835

91.3815, 0.3076,
0.3640

74.7992, 0.2946,
0.5149

96.8181, 0.3110,
0.3403

73.3240, 0.2942,
0.5435

99.9942, 0.3127,
0.3290

■ 72.3466, 0.2949,
0.5672

■ 71.7987, 0.2965,
0.5844

■ 71.6460, 0.2973,
0.5902

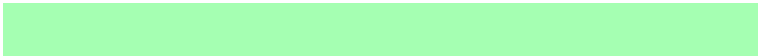
Harmonies

Analogous

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



82.7337, 0.3584, 0.4361



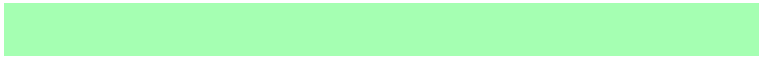
82.7337, 0.3011, 0.4199



82.7337, 0.2497, 0.3702

Triad

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



82.7337, 0.3011, 0.4199



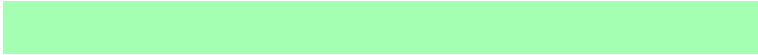
82.7337, 0.2233, 0.2405



82.7337, 0.4183, 0.3330

Complementary

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



82.7337, 0.3011, 0.4199



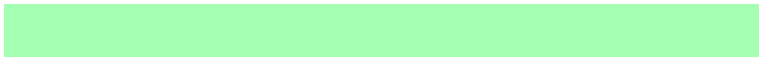
54.6104, 0.3272, 0.2526

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.



82.7337, 0.3751, 0.2902



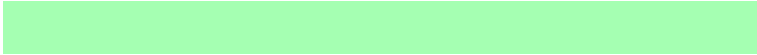
82.7337, 0.3011, 0.4199



82.7337, 0.2608, 0.2389

Square

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



82.7337, 0.3011, 0.4199



82.7337, 0.2081, 0.2642



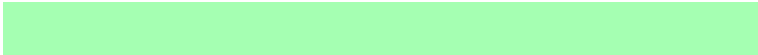
82.7337, 0.3158, 0.2568



82.7337, 0.4292, 0.3784

Rectangle

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



82.7337, 0.3011, 0.4199



82.7337, 0.2253, 0.3297



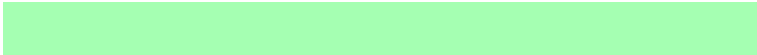
82.7337, 0.3158, 0.2568



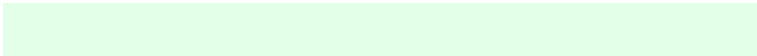
82.7337, 0.4070, 0.3181

Sweetspot

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



82.7372, 0.3011, 0.4199



93.6116, 0.3091, 0.3535



93.2888, 0.3578, 0.4197



19.8821, 0.3086, 0.3568



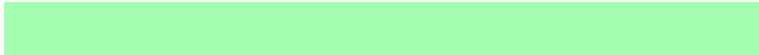
0.0000, 0.0000, 0.0000



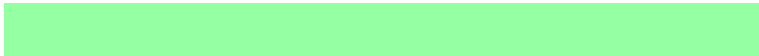
21.4041, 0.3127, 0.3290

Same Dimension

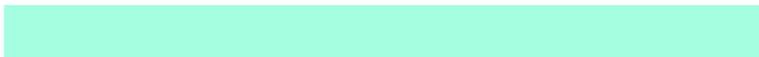
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7372, 0.3011, 0.4199



80.4623, 0.2991, 0.4409



84.7971, 0.2787, 0.3665



20.2108, 0.3096, 0.3500



37.4524, 0.2968, 0.5885



3.6588, 0.2921, 0.5717

Inverse Universe

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



54.6104, 0.3272, 0.2526



48.6749, 0.3306, 0.2385



52.2761, 0.3661, 0.2948



18.2528, 0.3160, 0.3089



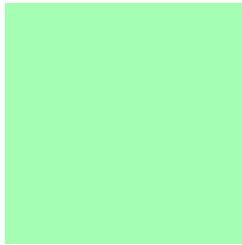
13.7790, 0.3611, 0.1763



1.3534, 0.3558, 0.1734

Previews

White Background



This preview shows how the Yxy color 82.7337, 0.3011, 0.4199 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 82.7337, 0.3011, 0.4199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

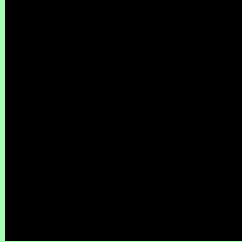
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

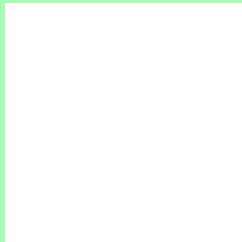
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7337, 0.3011, 0.4199

Background



This preview shows how black text looks on a background with the Yxy color 82.7337, 0.3011, 0.4199.

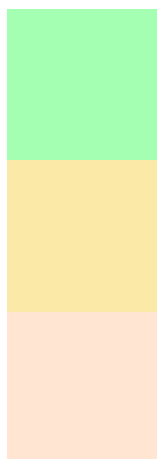


This preview shows how white text looks on a background with the Yxy color 82.7337, 0.3011, 0.4199.

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

82.7337, 0.3011, 0.4199

Protanopia

81.6142, 0.3682, 0.3954

Deuteranopia

81.9518, 0.3437, 0.3482



Tritanopia

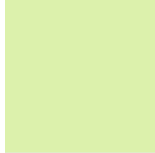
82.2727, 0.2789, 0.3141

Trichromacy



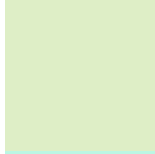
Original Color

82.7337, 0.3011, 0.4199



Protanomaly

81.1048, 0.3411, 0.4043



Deuteranomaly

80.7559, 0.3268, 0.3723



Tritanomaly

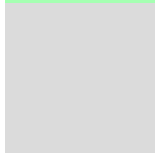
82.0224, 0.2873, 0.3501

Monochromacy



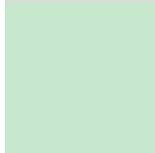
Original Color

82.7337, 0.3011, 0.4199



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 82.7337, 0.3011, 0.4199 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 178) }
```

Border

The CSS property to change the border of an element to Yxy 82.7337, 0.3011, 0.4199 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, 178) }
```

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

```
.border{ border-color:rgb(165, 255, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7337, 0.3011, 0.4199 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, 178) }
```

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

```
.background{ background-color: rgb(165,  
255, 178) }
```

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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