

Converting Colors

$Yxy(82.7206, 0.3078, 0.4310)$

Have a look what the booklet for
Yxy(82.7206, 0.3078, 0.4310)
contains.

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Color

Yxy(82.6720, 0.3079, 0.4316)

Conversions

Conversions Part 1

Format	Color
Hex	A8FFA8
RGB	168, 255, 168
RGB Percent	66%, 100%, 66%
CMY	0.3412, 0.0000, 0.3411
CMYK	0.34, 0.00, 0.34, 0.00
HSL	120°, 100%, 83%
HSV	120°, 34%, 100%
XYZ	58.9775, 82.6720, 49.8982
YIQ	219.0690, -23.9250, -45.5010

Conversions

Conversions Part 2

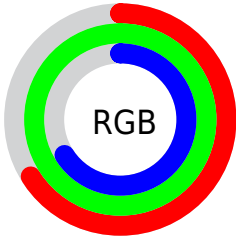
Format	Color
RYB	168, 255, 255
Decimal	11075496
CIELab	92.87, -42.80, 33.51
CIElCh	93, 54.361, 141.940
Yxy	82.6720, 0.3079, 0.4316
Android (android.graphics.Color)	4289265576 (0xFFA8FFA8)
YUV	219.0690, -25.1770, -44.7875
Hunter-Lab	90.9241, -43.3340, 31.1092

Details

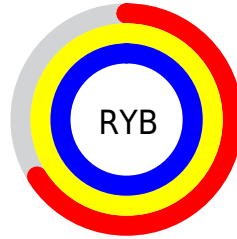
The Yxy color **82.6720, 0.3079, 0.4316** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.4869, 0.3167, 0.2441**, and the grayscale version is **71.0805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9094, 0.3118, 0.3610**, and **45.0707, 0.3046, 0.4581** is the 20% darker color. If you saturate the color by 10%, you get **79.2840, 0.3062, 0.4676**, and if you desaturate by 10%, it is **86.7970, 0.3095, 0.3976**.

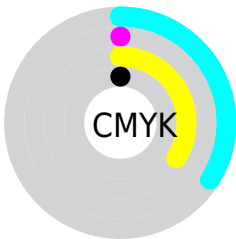
Distribution



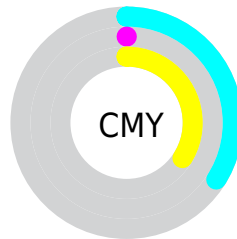
- Red (66%)
- Green (100%)
- Blue (66%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6720, 0.3079, 0.4316 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 82.6720, 0.3079, 0.4316 by changing the saturation by 10% instead.

 82.6720, 0.3079,
0.4316

 82.6720, 0.3079,
0.4316


503.8927, 0.3117,
0.3824

 61.9196, 0.3066,
0.4432


 137.1160, 0.3096,
0.4143

 44.9677, 0.3048,
0.4576


171.5763, 0.3101,
0.4076

 31.4320, 0.3022,
0.4760

211.3748, 0.3105,
0.4019

 20.9280, 0.2981,
0.5004

256.8958, 0.3109,
0.3969

 13.0714, 0.2915,
0.5338

308.5237, 0.3111,
0.3926

 7.4777, 0.2798,
0.5818

366.6429, 0.3114,

 3.7626, 0.2611,

0.3888

0.6657

431.6378, 0.3116,
0.3854

■ 1.5417, 0.1671,
0.8329

■ 0.3178, 0.0000,
1.0000

■ 82.6720, 0.3079,
0.4316

■ 82.6720, 0.3079,
0.4316

■ 79.2840, 0.3062,
0.4676

■ 86.7970, 0.3095,
0.3976

■ 76.5869, 0.3045,
0.5036

■ 91.6957, 0.3109,
0.3667

■ 74.5341, 0.3029,
0.5372

■ 97.4061, 0.3122,
0.3392

■ 73.0720, 0.3016,
0.5653

100.0000, 0.3127,
0.3290

■ 72.1380, 0.3007,
0.5855

■ 71.6561, 0.3002,
0.5967

■ 71.5200, 0.3000,
0.6000

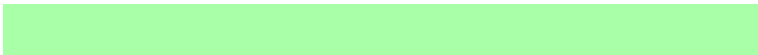
Harmonies

Analogous

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



82.6720, 0.3686, 0.4428



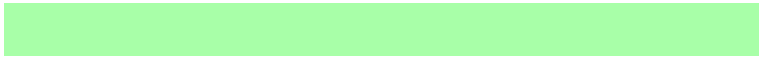
82.6720, 0.3079, 0.4316



82.6720, 0.2516, 0.3815

Triad

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



82.6720, 0.3079, 0.4316



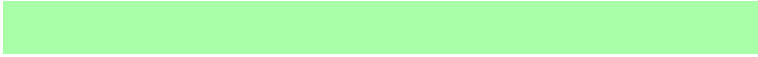
82.6720, 0.2142, 0.2367



82.6720, 0.4214, 0.3265

Complementary

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



82.6720, 0.3079, 0.4316



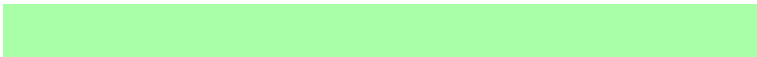
56.4869, 0.3167, 0.2441

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.



82.6720, 0.3715, 0.2822



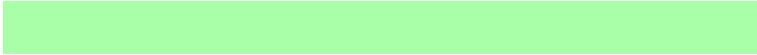
82.6720, 0.3079, 0.4316



82.6720, 0.2509, 0.2324

Square

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



82.6720, 0.3079, 0.4316



82.6720, 0.2015, 0.2647



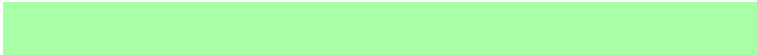
82.6720, 0.3074, 0.2489



82.6720, 0.4378, 0.3745

Rectangle

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



82.6720, 0.3079, 0.4316



82.6720, 0.2239, 0.3379



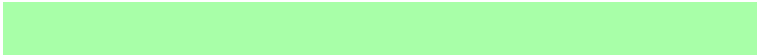
82.6720, 0.3074, 0.2489



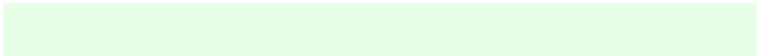
82.6720, 0.4078, 0.3109

Sweetspot

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



82.6729, 0.3079, 0.4316



93.9456, 0.3115, 0.3549



95.6074, 0.3643, 0.4143



19.9404, 0.3113, 0.3589



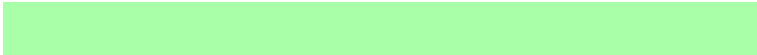
0.0000, 0.0000, 0.0000



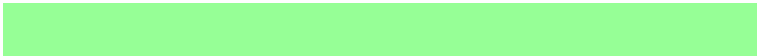
21.4041, 0.3127, 0.3290

Same Dimension

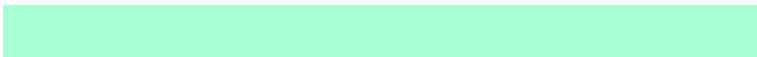
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6729, 0.3079, 0.4316



80.2635, 0.3067, 0.4562



84.5738, 0.2855, 0.3789



20.1682, 0.3116, 0.3536



37.3708, 0.3000, 0.6000



3.6387, 0.3000, 0.6000

Inverse Universe

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



56.4869, 0.3167, 0.2441



50.4362, 0.3175, 0.2279



53.9956, 0.3531, 0.2843



18.3004, 0.3138, 0.3056



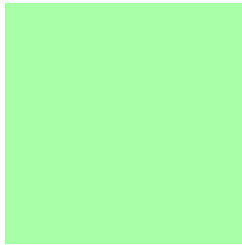
14.8810, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 82.6720, 0.3079, 0.4316 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 82.6720, 0.3079, 0.4316 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 82.6720, 0.3079, 0.4316

Background



This preview shows how black text looks on a background with the Yxy color 82.6720, 0.3079, 0.4316.

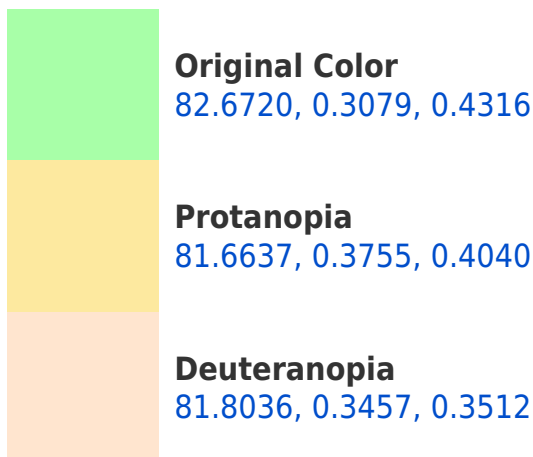


This preview shows how white text looks on a background with the Yxy color 82.6720, 0.3079, 0.4316.

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





Tritanopia

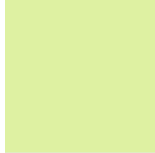
82.4100, 0.2795, 0.3141

Trichromacy



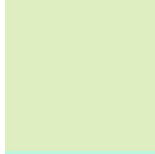
Original Color

82.6720, 0.3079, 0.4316



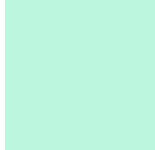
Protanomaly

81.0488, 0.3485, 0.4148



Deuteranomaly

80.6873, 0.3306, 0.3777



Tritanomaly

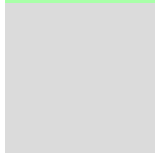
81.9306, 0.2901, 0.3546

Monochromacy



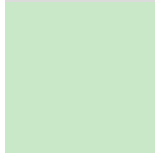
Original Color

82.6720, 0.3079, 0.4316



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.1627, 0.3110, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6720, 0.3079, 0.4316 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(168, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 168)  
}
```

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(168, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 82.6720, 0.3079, 0.4316 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(168, 255, 168) }
```

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

```
.border{ border-color:rgb(168, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6720, 0.3079, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 168) }
```

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

```
.background{ background-color: rgb(168,  
255, 168) }
```

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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