

# Converting Colors

Yxy(82.4568, 0.3078, 0.4336)

Have a look what the booklet for  
Yxy(82.4568, 0.3078, 0.4336)  
contains.

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# Color

**Yxy(82.5255, 0.3078, 0.4330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7FFA7
RGB	167, 255, 167
RGB Percent	65%, 100%, 65%
CMY	0.3453, 0.0000, 0.3451
CMYK	0.35, 0.00, 0.35, 0.00
HSL	120°, 100%, 83%
HSV	120°, 35%, 100%
XYZ	58.6636, 82.5255, 49.4009
YIQ	218.6560, -24.2000, -46.0240

# Conversions

## Conversions Part 2

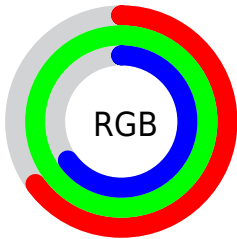
Format	Color
<a href="#">RYB</a>	<a href="#">167, 255, 255</a>
Decimal	<a href="#">11009959</a>
CIELab	<a href="#">92.81, -43.28, 33.92</a>
CIELCh	<a href="#">93, 54.988, 141.919</a>
Yxy	<a href="#">82.5255, 0.3078, 0.4330</a>
Android (android.graphics.Color)	<a href="#">4289200039 (0xFFA7FFA7)</a>
YUV	<a href="#">218.6560, -25.4664, -45.3023</a>
Hunter-Lab	<a href="#">90.8435, -43.7071, 31.3484</a>

# Details

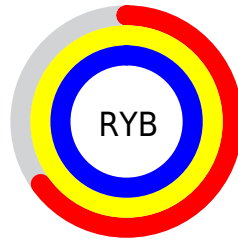
The Yxy color **82.5255, 0.3078, 0.4330** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.0938, 0.3168, 0.2431**, and the grayscale version is **70.7686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8553, 0.3124, 0.3620**, and **44.9826, 0.3046, 0.4599** is the 20% darker color. If you saturate the color by 10%, you get **79.1609, 0.3061, 0.4690**, and if you desaturate by 10%, it is **86.6126, 0.3094, 0.3989**.

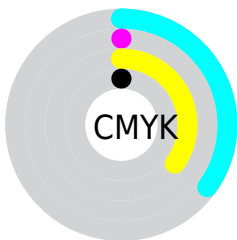
# Distribution



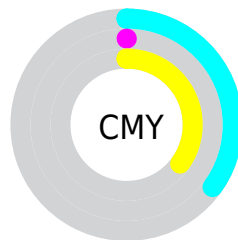
- Red (65%)
- Green (100%)
- Blue (65%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5255, 0.3078, 0.4330 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 82.5255, 0.3078, 0.4330 by changing the saturation by 10% instead.





 82.5255, 0.3078,  
0.4330


 82.5255, 0.3078,  
0.4330


503.4038, 0.3117,  
0.3831

 61.7988, 0.3065,  
0.4447


 136.9107, 0.3095,  
0.4154

 44.8701, 0.3046,  
0.4594


 171.3380, 0.3101,  
0.4086

 31.3551, 0.3019,  
0.4781

211.1009, 0.3105,  
0.4028

 20.8694, 0.2977,  
0.5029

256.5838, 0.3108,  
0.3978

 13.0286, 0.2909,  
0.5368

308.1712, 0.3111,  
0.3935

 7.4482, 0.2788,  
0.5855


366.2473, 0.3114,


 3.7440, 0.2601,


0.3896


0.6720


431.1968, 0.3115,  
0.3862


 1.5314, 0.1596,  
0.8404


 0.3107, 0.0000,  
1.0000


 82.5255, 0.3078,  
0.4330

 82.5255, 0.3078,  
0.4330


 79.1609, 0.3061,  
0.4690


 86.6126, 0.3094,  
0.3989

 76.4915, 0.3044,  
0.5050

 91.4779, 0.3109,  
0.3679

 74.4641, 0.3028,  
0.5383

 97.1530, 0.3122,  
0.3403

 73.0247, 0.3015,  
0.5662

100.0000, 0.3127,  
0.3290

■ 72.1107, 0.3006,  
0.5861

■ 71.6450, 0.3001,  
0.5970

■ 71.5204, 0.3000,  
0.6000

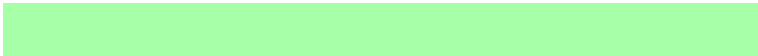
# Harmonies

## Analogous

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



82.5255, 0.3691, 0.4442



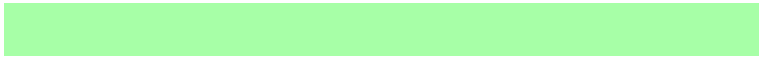
82.5255, 0.3078, 0.4330



82.5255, 0.2509, 0.3822

# Triad

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



82.5255, 0.3078, 0.4330



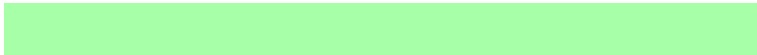
82.5255, 0.2131, 0.2357



82.5255, 0.4227, 0.3263

# Complementary

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



82.5255, 0.3078, 0.4330



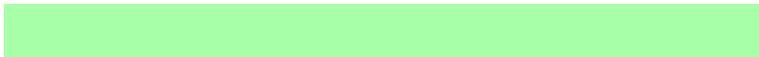
56.0938, 0.3168, 0.2431

# 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.



82.5255, 0.3722, 0.2817



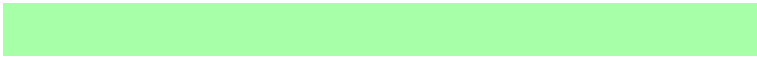
82.5255, 0.3078, 0.4330



82.5255, 0.2501, 0.2314

# Square

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



82.5255, 0.3078, 0.4330



82.5255, 0.2003, 0.2640



82.5255, 0.3073, 0.2481

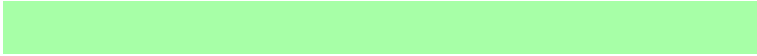


82.5255, 0.4393, 0.3749



# Rectangle

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



82.5255, 0.3078, 0.4330



82.5255, 0.2229, 0.3380



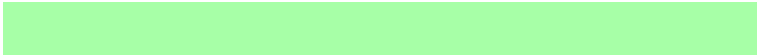
82.5255, 0.3073, 0.2481



82.5255, 0.4089, 0.3106

# Sweetspot

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



82.5202, 0.3078, 0.4330



93.9466, 0.3115, 0.3549



95.5681, 0.3649, 0.4153



19.9407, 0.3113, 0.3589



0.0000, 0.0000, 0.0000

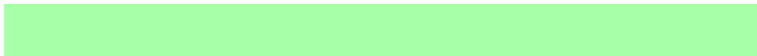


21.4041, 0.3127, 0.3290

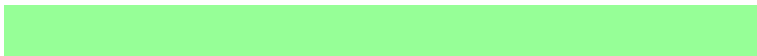


# Same Dimension

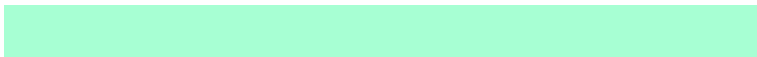
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5202, 0.3078, 0.4330



80.2658, 0.3067, 0.4562



84.4315, 0.2852, 0.3796



20.1684, 0.3116, 0.3536



37.3711, 0.3000, 0.6000



3.6388, 0.3000, 0.5998



# Inverse Universe

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



56.0938, 0.3168, 0.2431



50.4316, 0.3175, 0.2279



53.5799, 0.3538, 0.2838



18.3002, 0.3138, 0.3056



14.8752, 0.3211, 0.1543

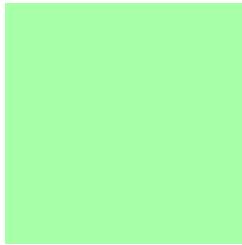


1.4484, 0.3211, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 82.5255, 0.3078, 0.4330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

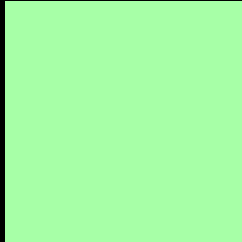
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.5255, 0.3078, 0.4330 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 82.5255, 0.3078, 0.4330**

## Background



This preview shows how black text looks on a background with the Yxy color 82.5255, 0.3078, 0.4330.

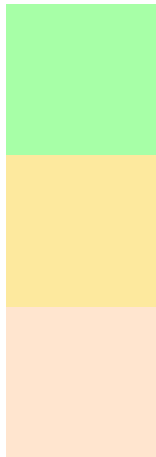


This preview shows how white text looks on a background with the Yxy color 82.5255, 0.3078, 0.4330.

# 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

82.5255, 0.3078, 0.4330

### Protanopia

81.6291, 0.3762, 0.4050

### Deuteranopia

81.8036, 0.3457, 0.3512



## Tritanopia

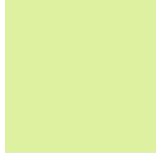
82.4100, 0.2795, 0.3141

# Trichromacy



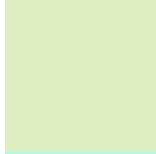
## Original Color

82.5255, 0.3078, 0.4330



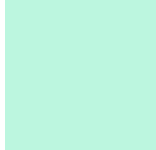
## Protanomaly

81.0134, 0.3491, 0.4159



## Deuteranomaly

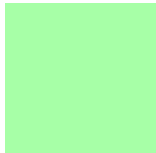
80.6428, 0.3313, 0.3788



## Tritanomaly

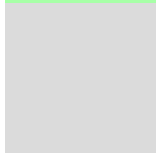
81.9306, 0.2901, 0.3546

# Monochromacy



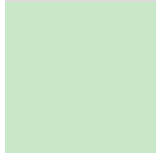
## Original Color

82.5255, 0.3078, 0.4330



## 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 82.5255, 0.3078, 0.4330 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(167, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 167)  
}
```

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(167, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 82.5255, 0.3078, 0.4330 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(167, 255, 167) }
```

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

```
.border{ border-color:rgb(167, 255, 167) }
```

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

Here you see how a box with a 4 pixel rgb(167, 255, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.5255, 0.3078, 0.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 167) }
```

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

```
.background{ background-color: rgb(167,  
255, 167) }
```

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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