

# Converting Colors

Yxy(82.9670, 0.3088, 0.4299)

Have a look what the booklet for  
Yxy(82.9670, 0.3088, 0.4299)  
contains.

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# Color

**Yxy(82.9306, 0.3085, 0.4301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAFFA9
RGB	170, 255, 169
RGB Percent	67%, 100%, 66%
CMY	0.3337, 0.0000, 0.3373
CMYK	0.33, 0.00, 0.34, 0.00
HSL	119°, 100%, 83%
HSV	119°, 34%, 100%
XYZ	59.4841, 82.9306, 50.4024
YIQ	219.7810, -23.0540, -44.7660

# Conversions

## Conversions Part 2

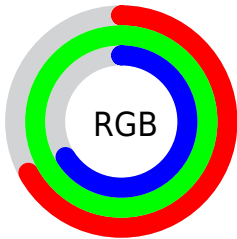
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 255, 254
Decimal	11206569
CIELab	92.98, -42.07, 33.19
CIELCh	93, 53.589, 141.731
Yxy	82.9306, 0.3085, 0.4301
Android (android.graphics.Color)	4289396649 (0xFFAAFFA9)
YUV	219.7810, -25.0350, -43.6579
Hunter-Lab	91.0662, -42.7705, 30.9312

# Details

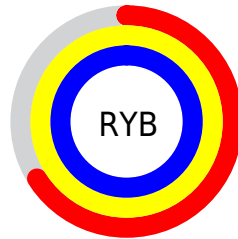
The Yxy color **82.9306, 0.3085, 0.4301** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.6779, 0.3159, 0.2448**, and the grayscale version is **71.5789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2871, 0.3125, 0.3598**, and **45.2265, 0.3054, 0.4561** is the 20% darker color. If you saturate the color by 10%, you get **79.5094, 0.3069, 0.4659**, and if you desaturate by 10%, it is **87.0579, 0.3099, 0.3963**.

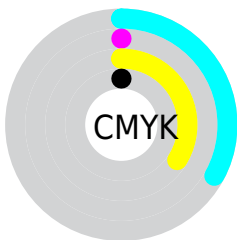
# Distribution



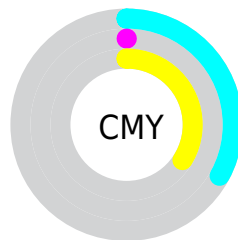
- Red (67%)
- Green (100%)
- Blue (66%)



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



- Cyan (33%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9306, 0.3085, 0.4301 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 82.9306, 0.3085, 0.4301 by changing the saturation by 10% instead.




 82.9306, 0.3085,  
0.4301

 82.9306, 0.3085,  
0.4301

504.7552, 0.3120,  
0.3817

 62.1329, 0.3073,  
0.4415


 137.4783, 0.3100,  
0.4130

 45.1401, 0.3056,  
0.4556


171.9970, 0.3105,  
0.4065

 31.5678, 0.3031,  
0.4738


211.8582, 0.3109,  
0.4009

 21.0316, 0.2993,  
0.4977

257.4463, 0.3112,  
0.3960

 13.1471, 0.2930,  
0.5304

309.1457, 0.3115,  
0.3918

 7.5299, 0.2818,  
0.5775

367.3407, 0.3117,

 3.7957, 0.2636,

0.3880

0.6584

432.4157, 0.3119,  
0.3847

■ 1.5599, 0.1786,  
0.8214

■ 0.3304, 0.0000,  
1.0000

■ 82.9306, 0.3085,  
0.4301

■ 82.9306, 0.3085,  
0.4301

■ 79.5094, 0.3069,  
0.4659

■ 87.0579, 0.3099,  
0.3963

■ 76.7824, 0.3053,  
0.5019

■ 91.9597, 0.3112,  
0.3655

■ 74.6934, 0.3037,  
0.5356

■ 97.6619, 0.3123,  
0.3383

■ 73.1906, 0.3022,  
0.5639

100.0000, 0.3127,  
0.3290

■ 72.2142, 0.3011,  
0.5846

■ 71.6914, 0.3004,  
0.5963

■ 71.5377, 0.3002,  
0.5999

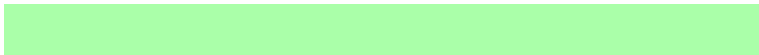
# Harmonies

## Analogous

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



82.9306, 0.3683, 0.4410



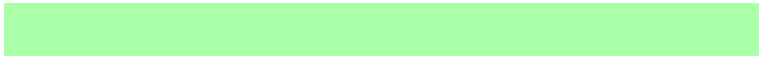
82.9306, 0.3085, 0.4301



82.9306, 0.2529, 0.3811

# Triad

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



82.9306, 0.3085, 0.4301



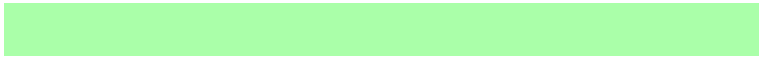
82.9306, 0.2154, 0.2381



82.9306, 0.4195, 0.3263

# Complementary

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



82.9306, 0.3085, 0.4301



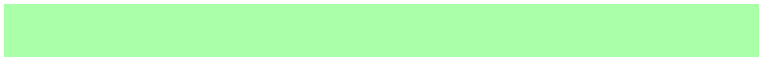
56.6779, 0.3159, 0.2448

# 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.



82.9306, 0.3702, 0.2826



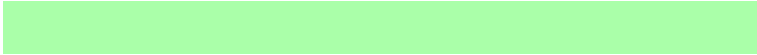
82.9306, 0.3085, 0.4301



82.9306, 0.2514, 0.2337

# Square

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



82.9306, 0.3085, 0.4301



82.9306, 0.2029, 0.2660



82.9306, 0.3071, 0.2498

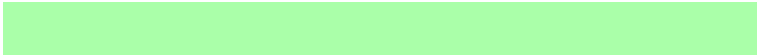


82.9306, 0.4360, 0.3738



# Rectangle

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



82.9306, 0.3085, 0.4301



82.9306, 0.2254, 0.3383



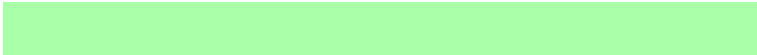
82.9306, 0.3071, 0.2498



82.9306, 0.4060, 0.3109

# Sweetspot

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



82.9206, 0.3085, 0.4301



93.9907, 0.3117, 0.3549



94.7330, 0.3642, 0.4122



19.9512, 0.3115, 0.3589



0.0000, 0.0000, 0.0000

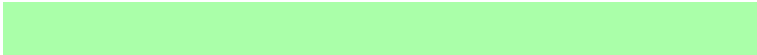


21.4041, 0.3127, 0.3290

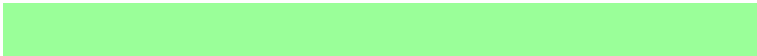


# Same Dimension

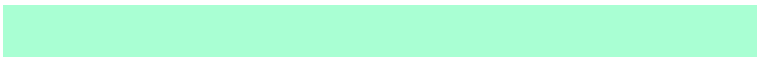
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9206, 0.3085, 0.4301



80.6992, 0.3075, 0.4524



84.6352, 0.2865, 0.3799



20.1774, 0.3117, 0.3536



37.3840, 0.3002, 0.5998



3.6431, 0.3007, 0.5994



# Inverse Universe

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



56.6779, 0.3159, 0.2448



51.0555, 0.3164, 0.2299



54.4584, 0.3513, 0.2834



18.2899, 0.3136, 0.3056



14.6168, 0.3182, 0.1527

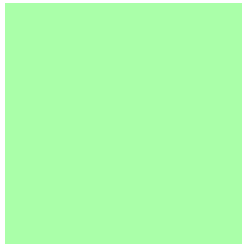


1.4263, 0.3186, 0.1529



# Previews

## White Background



This preview shows how the Yxy color 82.9306, 0.3085, 0.4301 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 82.9306, 0.3085, 0.4301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

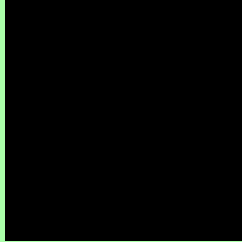
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

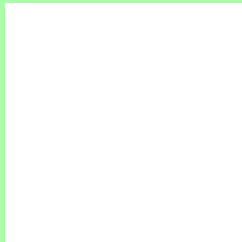
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.9306, 0.3085, 0.4301**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9306, 0.3085, 0.4301.

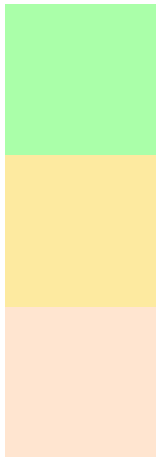


This preview shows how white text looks on a background with the Yxy color 82.9306, 0.3085, 0.4301.

# 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

82.9306, 0.3085, 0.4301

### Protanopia

82.2663, 0.3745, 0.4039

### Deuteranopia

81.8527, 0.3450, 0.3502



## Tritanopia

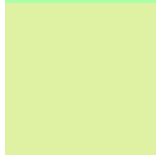
82.6872, 0.2806, 0.3141

# Trichromacy



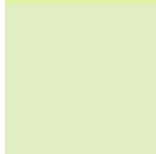
## Original Color

82.9306, 0.3085, 0.4301



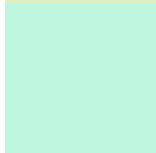
## Protanomaly

81.8366, 0.3484, 0.4145



## Deuteranomaly

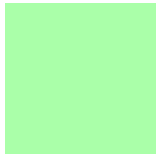
80.8914, 0.3307, 0.3765



## Tritanomaly

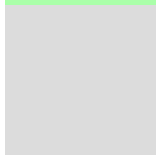
82.2405, 0.2907, 0.3534

# Monochromacy



## Original Color

82.9306, 0.3085, 0.4301



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

75.0514, 0.3117, 0.3653

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9306, 0.3085, 0.4301 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(170, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 169)  
}
```

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(170, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9306, 0.3085, 0.4301 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(170, 255, 169) }
```

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

```
.border{ border-color:rgb(170, 255, 169) }
```

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

Here you see how a box with a 4 pixel rgb(170, 255, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9306, 0.3085, 0.4301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 169) }
```

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

```
.background{ background-color: rgb(170,  
255, 169) }
```

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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