

# Converting Colors

Yxy(81.7269, 0.3249, 0.4696)

Have a look what the booklet for  
Yxy(81.7269, 0.3249, 0.4696)  
contains.

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# Color

**Yxy(81.7043, 0.3248, 0.4698)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9FF87
RGB	169, 255, 135
RGB Percent	66%, 100%, 53%
CMY	0.3375, 0.0000, 0.4705
CMYK	0.34, 0.00, 0.47, 0.00
HSL	103°, 100%, 76%
HSV	103°, 47%, 100%
XYZ	56.4869, 81.7043, 35.7217
YIQ	215.6060, -12.7360, -55.5520

# Conversions

## Conversions Part 2

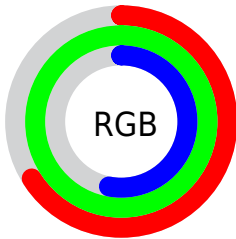
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 255, 221</a>
Decimal	<a href="#">11140999</a>
CIELab	<a href="#">92.44, -47.05, 49.03</a>
CIELCh	<a href="#">92, 67.959, 133.820</a>
Yxy	<a href="#">81.7043, 0.3248, 0.4698</a>
Android (android.graphics.Color)	<a href="#">4289331079 (0xFFA9FF87)</a>
YUV	<a href="#">215.6060, -39.7388, -40.8735</a>
Hunter-Lab	<a href="#">90.3904, -46.6348, 39.8423</a>

# Details

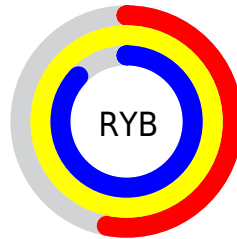
The Yxy color **81.7043, 0.3248, 0.4698** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.9387, 0.2888, 0.2039**, and the grayscale version is **68.6575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5686, 0.3327, 0.3970**, and **44.4421, 0.3231, 0.5056** is the 20% darker color. If you saturate the color by 10%, you get **79.1813, 0.3251, 0.5023**, and if you desaturate by 10%, it is **84.6704, 0.3234, 0.4367**.

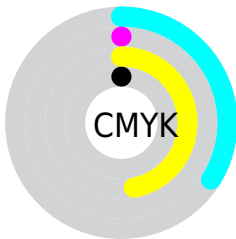
# Distribution



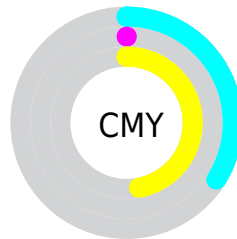
- Red (66%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (87%)



- Cyan (34%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7043, 0.3248, 0.4698 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 81.7043, 0.3248, 0.4698 by changing the saturation by 10% instead.




 81.7043, 0.3248,  
0.4698


 81.7043, 0.3248,  
0.4698


500.6581, 0.3226,  
0.4021


 61.1218, 0.3244,  
0.4855


 135.7593, 0.3248,  
0.4460

 44.3235, 0.3233,  
0.5050


 170.0005, 0.3245,  
0.4368

 30.9249, 0.3211,  
0.5296


 209.5635, 0.3242,  
0.4290

 20.5417, 0.3167,  
0.5612

254.8326, 0.3239,  
0.4222

 12.7894, 0.3082,  
0.6030

306.1922, 0.3236,  
0.4162

 7.2837, 0.2930,  
0.6631


364.0267, 0.3232,


 3.6401, 0.2587,


0.4110


0.7413


428.7205, 0.3229,  
0.4063


 1.4744, 0.0983,  
0.9017


 0.2706, 0.0000,  
1.0000


 81.7043, 0.3248,  
0.4698


 81.7043, 0.3248,  
0.4698

 79.1813, 0.3251,  
0.5023


 84.6704, 0.3234,  
0.4367

 77.0950, 0.3241,  
0.5323

 88.1197, 0.3211,  
0.4045

 75.4128, 0.3216,  
0.5576

 92.0668, 0.3182,  
0.3743

 74.1047, 0.3177,  
0.5765

 96.5314, 0.3150,  
0.3468

■ 73.1346, 0.3129,  
0.5883

100.0000, 0.3127,  
0.3290

■ 72.9012, 0.3115,  
0.5908

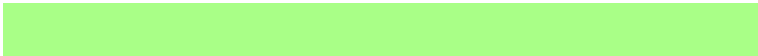
# Harmonies

## Analogous

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



81.7043, 0.3976, 0.4652



81.7043, 0.3248, 0.4698



81.7043, 0.2527, 0.4174

# Triad

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



81.7043, 0.3248, 0.4698



81.7043, 0.1860, 0.2216



81.7043, 0.4357, 0.3085

# Complementary

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



81.7043, 0.3248, 0.4698



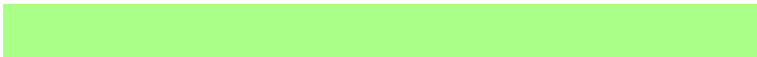
39.9387, 0.2888, 0.2039

# Split Complementary

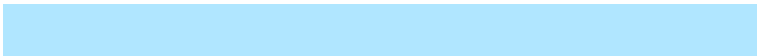
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7043, 0.3643, 0.2590



81.7043, 0.3248, 0.4698



81.7043, 0.2217, 0.2105

# Square

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



81.7043, 0.3248, 0.4698



81.7043, 0.1786, 0.2620



81.7043, 0.2843, 0.2244

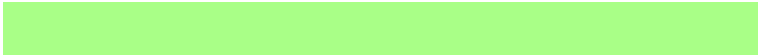


81.7043, 0.4682, 0.3652



# Rectangle

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



81.7043, 0.3248, 0.4698



81.7043, 0.2149, 0.3618



81.7043, 0.2843, 0.2244



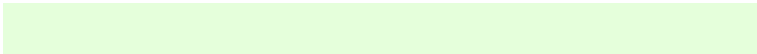
81.7043, 0.4150, 0.2908

# Sweetspot

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



81.6984, 0.3248, 0.4698



93.3730, 0.3173, 0.3656



74.7260, 0.3975, 0.4156



19.7868, 0.3179, 0.3718



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

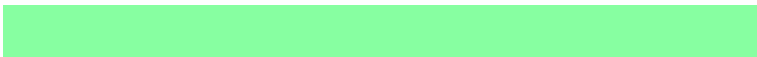
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6984, 0.3248, 0.4698



79.4250, 0.3251, 0.4990



79.2465, 0.2937, 0.4459



20.4167, 0.3158, 0.3533



38.1569, 0.3125, 0.5901



3.7675, 0.3206, 0.5837



# Inverse Universe

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



39.9387, 0.2888, 0.2039



33.2434, 0.2825, 0.1813



44.2513, 0.3414, 0.2359



18.0272, 0.3092, 0.3053



9.1063, 0.2502, 0.1152

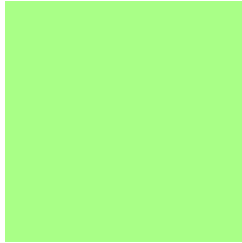


0.9418, 0.2585, 0.1198



# Previews

## White Background



This preview shows how the Yxy color 81.7043, 0.3248, 0.4698 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

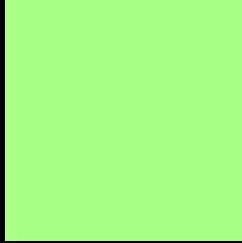
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.7043, 0.3248, 0.4698 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

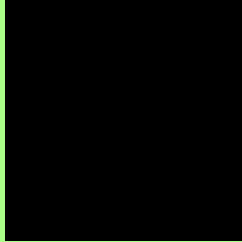
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

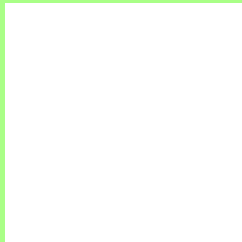
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.7043, 0.3248, 0.4698**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.7043, 0.3248, 0.4698.

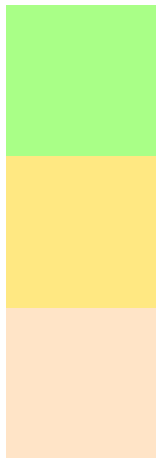


This preview shows how white text looks on a background with the Yxy color 81.7043, 0.3248, 0.4698.

# 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

81.7043, 0.3248, 0.4698

### Protanopia

80.5849, 0.3954, 0.4298

### Deuteranopia

80.8703, 0.3514, 0.3584



## Tritanopia

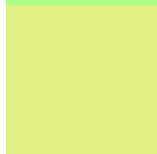
81.0951, 0.2787, 0.3119

# Trichromacy



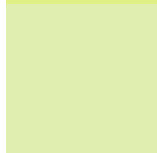
## Original Color

81.7043, 0.3248, 0.4698



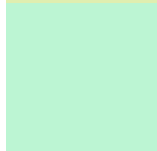
## Protanomaly

79.8334, 0.3677, 0.4444



## Deuteranomaly

80.1310, 0.3420, 0.3963



## Tritanomaly

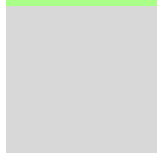
80.6993, 0.2966, 0.3675

# Monochromacy



## Original Color

81.7043, 0.3248, 0.4698



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

72.3236, 0.3186, 0.3788

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.7043, 0.3248, 0.4698 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(169, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 135)  
}
```

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(169, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 81.7043, 0.3248, 0.4698 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(169, 255, 135) }
```

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

```
.border{ border-color:rgb(169, 255, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.7043, 0.3248, 0.4698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 135) }
```

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

```
.background{ background-color: rgb(169,  
255, 135) }
```

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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