

# Converting Colors

Yxy(82.0324, 0.3149, 0.4497)

Have a look what the booklet for  
Yxy(82.0324, 0.3149, 0.4497)  
contains.

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# Color

**Yxy(82.0354, 0.3149, 0.4497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7FF99
RGB	167, 255, 153
RGB Percent	65%, 100%, 60%
CMY	0.3451, 0.0000, 0.4000
CMYK	0.35, 0.00, 0.40, 0.00
HSL	112°, 100%, 80%
HSV	112°, 40%, 100%
XYZ	57.4448, 82.0354, 42.9423
YIQ	217.0600, -19.7060, -50.3780

# Conversions

## Conversions Part 2

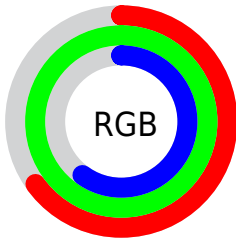
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 255, 241
Decimal	11009945
CIELab	92.59, -45.32, 40.56
CIElCh	93, 60.818, 138.176
Yxy	82.0354, 0.3149, 0.4497
Android (android.graphics.Color)	4289200025 (0xFFA7FF99)
YUV	217.0600, -31.5816, -43.9026
Hunter-Lab	90.5734, -45.2924, 35.2911

# Details

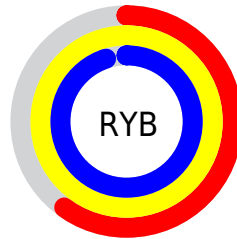
The Yxy color **82.0354, 0.3149, 0.4497** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.7040, 0.3057, 0.2266**, and the grayscale version is **69.6601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0816, 0.3210, 0.3780**, and **44.6878, 0.3127, 0.4811** is the 20% darker color. If you saturate the color by 10%, you get **79.0845, 0.3143, 0.4846**, and if you desaturate by 10%, it is **85.5727, 0.3149, 0.4156**.

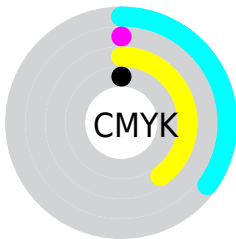
# Distribution



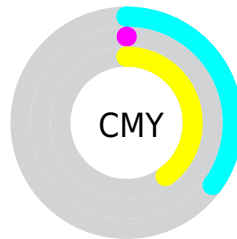
- Red (65%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (95%)



- Cyan (35%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0354, 0.3149, 0.4497 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 82.0354, 0.3149, 0.4497 by changing the saturation by 10% instead.




 82.0354, 0.3149,  
0.4497

 82.0354, 0.3149,  
0.4497


501.7661, 0.3162,  
0.3917

 61.3947, 0.3140,  
0.4633


 136.2236, 0.3158,  
0.4292

 44.5438, 0.3125,  
0.4803


 170.5400, 0.3161,  
0.4213

 31.0982, 0.3101,  
0.5019


210.1837, 0.3162,  
0.4146

 20.6737, 0.3059,  
0.5303

255.5391, 0.3163,  
0.4088

 12.8857, 0.2986,  
0.5686

306.9907, 0.3163,  
0.4037

 7.3499, 0.2846,  
0.6223


364.9228, 0.3163,


 3.6819, 0.2679,

0.3992

0.7321

429.7198, 0.3162,  
0.3952

 1.4972, 0.1273,  
0.8727


 0.2868, 0.0000,  
1.0000


 82.0354, 0.3149,  
0.4497


 82.0354, 0.3149,  
0.4497

 79.0845, 0.3143,  
0.4846


 85.5727, 0.3149,  
0.4156

 76.6896, 0.3131,  
0.5184

 89.7280, 0.3144,  
0.3837

 74.8149, 0.3112,  
0.5485

 94.5284, 0.3137,  
0.3548

 73.4208, 0.3087,  
0.5726

99.9999, 0.3127,  
0.3290

■ 72.4618, 0.3058,  
0.5889

100.0000, 0.3127,  
0.3290

■ 71.8771, 0.3031,  
0.5976

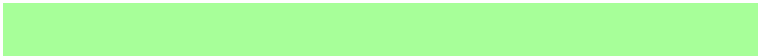
# Harmonies

## Analogous

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



82.0354, 0.3817, 0.4547



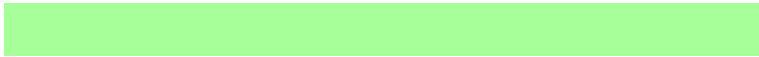
82.0354, 0.3149, 0.4497



82.0354, 0.2510, 0.3972

# Triad

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



82.0354, 0.3149, 0.4497



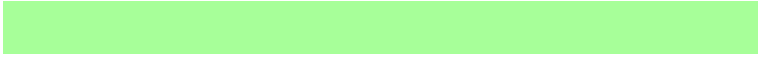
82.0354, 0.2006, 0.2289



82.0354, 0.4295, 0.3187

# Complementary

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



82.0354, 0.3149, 0.4497



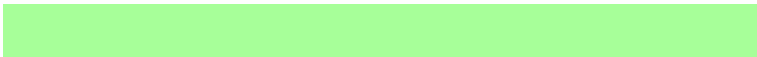
48.7040, 0.3057, 0.2266

# Split Complementary

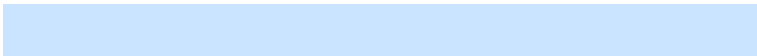
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.0354, 0.3697, 0.2716



82.0354, 0.3149, 0.4497



82.0354, 0.2374, 0.2217

# Square

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



82.0354, 0.3149, 0.4497



82.0354, 0.1900, 0.2624



82.0354, 0.2976, 0.2373

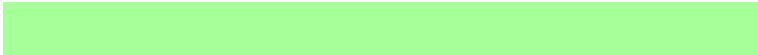


82.0354, 0.4528, 0.3712



# Rectangle

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



82.0354, 0.3149, 0.4497



82.0354, 0.2187, 0.3477



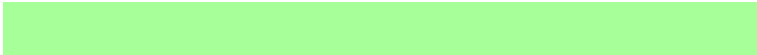
82.0354, 0.2976, 0.2373



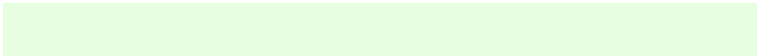
82.0354, 0.4127, 0.3020

# Sweetspot

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



82.0347, 0.3149, 0.4497



93.5156, 0.3138, 0.3603



85.7035, 0.3783, 0.4154



19.8776, 0.3140, 0.3640



0.0000, 0.0000, 0.0000

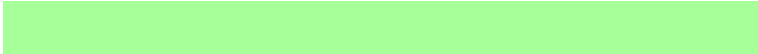


21.4041, 0.3127, 0.3290



# Same Dimension

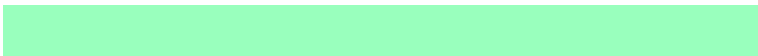
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0347, 0.3149, 0.4497



79.6291, 0.3145, 0.4776



81.9533, 0.2892, 0.4083



20.2876, 0.3136, 0.3534



37.5935, 0.3036, 0.5971



3.6951, 0.3093, 0.5926



# Inverse Universe

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



48.7040, 0.3057, 0.2266



42.0986, 0.3036, 0.2071



49.1726, 0.3484, 0.2617



18.1666, 0.3116, 0.3054



11.7730, 0.2864, 0.1351

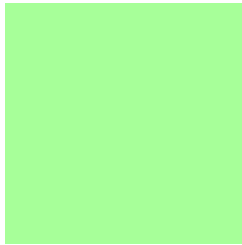


1.1796, 0.2906, 0.1374



# Previews

## White Background



This preview shows how the Yxy color 82.0354, 0.3149, 0.4497 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 82.0354, 0.3149, 0.4497 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

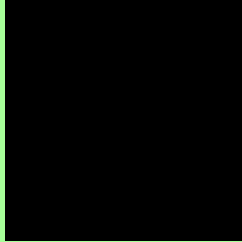
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

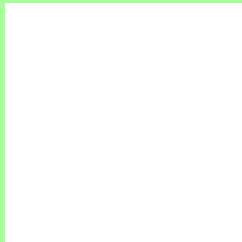
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.0354, 0.3149, 0.4497**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0354, 0.3149, 0.4497.

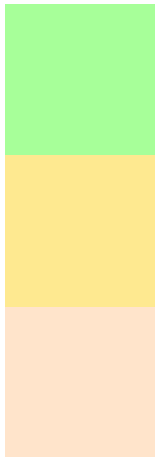


This preview shows how white text looks on a background with the Yxy color 82.0354, 0.3149, 0.4497.

# 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

82.0354, 0.3149, 0.4497

### Protanopia

81.3623, 0.3858, 0.4182

### Deuteranopia

81.0586, 0.3487, 0.3543



## Tritanopia

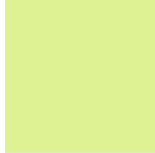
81.6823, 0.2788, 0.3130

# Trichromacy



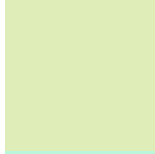
## Original Color

82.0354, 0.3149, 0.4497



## Protanomaly

80.5468, 0.3574, 0.4307



## Deuteranomaly

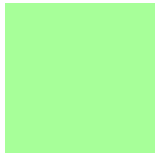
80.3398, 0.3357, 0.3866



## Tritanomaly

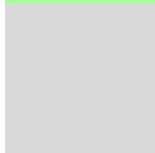
80.9316, 0.2922, 0.3594

# Monochromacy



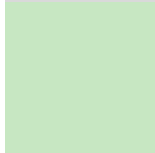
## Original Color

82.0354, 0.3149, 0.4497



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

73.1890, 0.3141, 0.3716

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0354, 0.3149, 0.4497 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0354, 0.3149, 0.4497 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, 153) }
```

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

```
.border{ border-color:rgb(167, 255, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0354, 0.3149, 0.4497 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, 153) }
```

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

```
.background{ background-color: rgb(167,  
255, 153) }
```

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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