

# Converting Colors

$Yxy(123.5316, 0.2980, 0.5031)$

Have a look what the booklet for  
Yxy(123.5316, 0.2980, 0.5031)  
contains.

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# Color

**Yxy(78.5473, 0.2969, 0.4606)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83FF96
RGB	131, 255, 150
RGB Percent	51%, 100%, 59%
CMY	0.4861, 0.0000, 0.4117
CMYK	0.49, 0.00, 0.41, 0.00
HSL	129°, 100%, 76%
HSV	129°, 49%, 100%
XYZ	50.6311, 78.5473, 41.3541
YIQ	205.9540, -40.1990, -58.9430

# Conversions

## Conversions Part 2

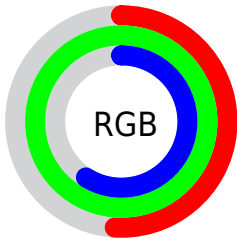
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 239, 255
Decimal	8650646
CIELab	91.03, -56.01, 39.69
CIELCh	91, 68.653, 144.676
Yxy	78.5473, 0.2969, 0.4606
Android (android.graphics.Color)	4286840726 (0xFF83FF96)
YUV	205.9540, -27.5853, -65.7347
Hunter-Lab	88.6269, -53.1229, 34.3736

# Details

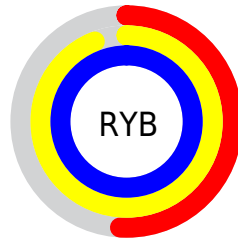
The Yxy color **78.5473, 0.2969, 0.4606** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.5616, 0.3352, 0.2264**, and the grayscale version is **61.8989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8749, 0.3012, 0.3847**, and **42.0796, 0.2894, 0.4946** is the 20% darker color. If you saturate the color by 10%, you get **76.1251, 0.2949, 0.4925**, and if you desaturate by 10%, it is **81.6052, 0.2996, 0.4291**.

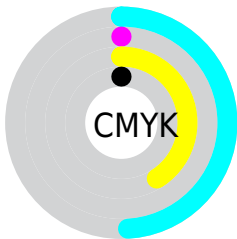
# Distribution



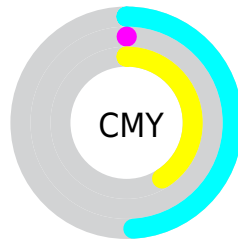
- Red (51%)
- Green (100%)
- Blue (59%)



- Red (51%)
- Yellow (94%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (49%)
- Magenta (0%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5473, 0.2969, 0.4606 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 78.5473, 0.2969, 0.4606 by changing the saturation by 10% instead.





 78.5473, 0.2969,  
0.4606


 78.5473, 0.2969,  
0.4606


490.0235, 0.3068,  
0.3961

 58.5237, 0.2939,  
0.4761


 131.3214, 0.3009,  
0.4376

 42.2298, 0.2899,  
0.4955


 164.8406, 0.3023,  
0.4288

 29.2813, 0.2842,  
0.5205


 203.6271, 0.3034,  
0.4214

 19.2937, 0.2757,  
0.5537

248.0654, 0.3043,  
0.4149

 11.8827, 0.2622,  
0.5994

298.5398, 0.3051,  
0.4093

 6.6638, 0.2393,  
0.6644


355.4347, 0.3058,


 3.2528, 0.2063,

0.4044

0.7937


419.1345, 0.3063,  
0.4000


 1.2651, 0.0000,  
1.0000


 0.1139, 0.0000,  
1.0000


 78.5473, 0.2969,  
0.4606


 78.5473, 0.2969,  
0.4606


 76.1251, 0.2949,  
0.4925


 81.6052, 0.2996,  
0.4291


 74.2844, 0.2938,  
0.5231

 85.3292, 0.3028,  
0.3993

 72.9781, 0.2938,  
0.5503

 89.7594, 0.3063,  
0.3721

 72.1470, 0.2949,  
0.5722

 94.9297, 0.3098,  
0.3477

■ 71.7094, 0.2968,  
0.5875

99.9991, 0.3127,  
0.3290

■ 71.6658, 0.2970,  
0.5891

# Harmonies

## Analogous

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



78.5473, 0.3734, 0.4762



78.5473, 0.2969, 0.4606



78.5473, 0.2288, 0.3895

# Triad

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



78.5473, 0.2969, 0.4606



78.5473, 0.1934, 0.2121



78.5473, 0.4564, 0.3282

# Complementary

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



78.5473, 0.2969, 0.4606



43.5616, 0.3352, 0.2264

# 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.



78.5473, 0.3948, 0.2744



78.5473, 0.2969, 0.4606



78.5473, 0.2399, 0.2106

# Square

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



78.5473, 0.2969, 0.4606



78.5473, 0.1754, 0.2417



78.5473, 0.3122, 0.2329



78.5473, 0.4709, 0.3868



# Rectangle

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



78.5473, 0.2969, 0.4606



78.5473, 0.1972, 0.3308



78.5473, 0.3122, 0.2329



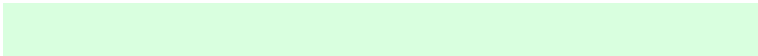
78.5473, 0.4403, 0.3094

# Sweetspot

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



78.5506, 0.2969, 0.4606



91.5399, 0.3075, 0.3629



91.0613, 0.3715, 0.4535



19.3684, 0.3068, 0.3682



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.



78.5506, 0.2969, 0.4606



76.2568, 0.2950, 0.4906



81.0819, 0.2678, 0.3812



20.2135, 0.3095, 0.3497



37.4608, 0.2965, 0.5873



3.6600, 0.2917, 0.5700



# Inverse Universe

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



43.5616, 0.3352, 0.2264



37.6428, 0.3407, 0.2098



40.5769, 0.3997, 0.2843



18.2498, 0.3162, 0.3091



13.7164, 0.3639, 0.1779

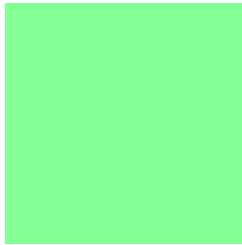


1.3479, 0.3582, 0.1747



# Previews

## White Background



This preview shows how the Yxy color 78.5473, 0.2969, 0.4606 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

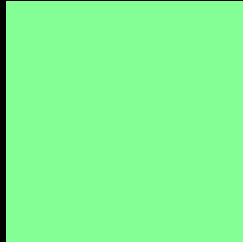
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.5473, 0.2969, 0.4606 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

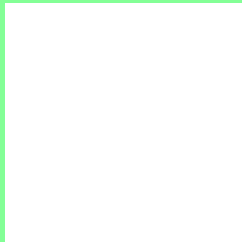
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.5473, 0.2969, 0.4606**

## Background



This preview shows how black text looks on a background with the Yxy color 78.5473, 0.2969, 0.4606.

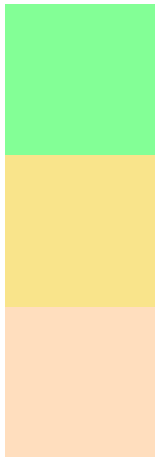


This preview shows how white text looks on a background with the Yxy color 78.5473, 0.2969, 0.4606.

# 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

78.5473, 0.2969, 0.4606

### Protanopia

77.4906, 0.3872, 0.4198

### Deuteranopia

77.2203, 0.3591, 0.3618



## Tritanopia

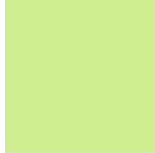
77.9517, 0.2650, 0.3112

# Trichromacy



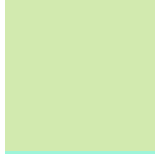
## Original Color

78.5473, 0.2969, 0.4606



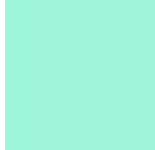
## Protanomaly

76.2541, 0.3490, 0.4364



## Deuteranomaly

75.6424, 0.3334, 0.3957



## Tritanomaly

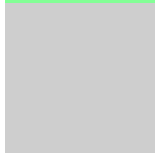
77.5837, 0.2765, 0.3619

# Monochromacy



## Original Color

78.5473, 0.2969, 0.4606



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

66.4402, 0.3057, 0.3754

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.5473, 0.2969, 0.4606 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(131, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 150)  
}
```

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(131, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 78.5473, 0.2969, 0.4606 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(131, 255, 150) }
```

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

```
.border{ border-color:rgb(131, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.5473, 0.2969, 0.4606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 150) }
```

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

```
.background{ background-color: rgb(131,  
255, 150) }
```

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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