

# Converting Colors

$Y_{xy}(79.4243, 0.2961, 0.4480)$

Have a look what the booklet for  
Yxy(79.4243, 0.2961, 0.4480)  
contains.

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# Color

**Yxy(79.4265, 0.2961, 0.4480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AFF9F
RGB	138, 255, 159
RGB Percent	54%, 100%, 62%
CMY	0.4589, 0.0000, 0.3764
CMYK	0.46, 0.00, 0.38, 0.00
HSL	131°, 100%, 77%
HSV	131°, 46%, 100%
XYZ	52.4960, 79.4265, 45.3688
YIQ	209.0730, -38.9160, -54.6600

# Conversions

## Conversions Part 2

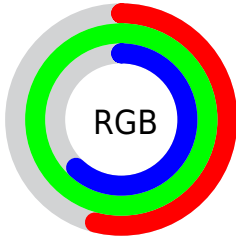
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 237, 255
Decimal	9109407
CIELab	91.43, -52.81, 35.84
CIELCh	91, 63.824, 145.840
Yxy	79.4265, 0.2961, 0.4480
Android (android.graphics.Color)	4287299487 (0xFF8AFF9F)
YUV	209.0730, -24.6860, -62.3310
Hunter-Lab	89.1215, -50.8195, 32.2025

# Details

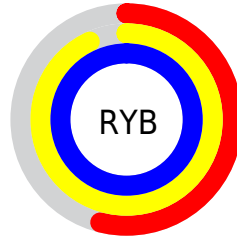
The Yxy color **79.4265, 0.2961, 0.4480** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.3664, 0.3365, 0.2342**, and the grayscale version is **63.9878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2454, 0.3004, 0.3738**, and **42.6354, 0.2900, 0.4794** is the 20% darker color. If you saturate the color by 10%, you get **76.8334, 0.2937, 0.4791**, and if you desaturate by 10%, it is **82.6485, 0.2992, 0.4178**.

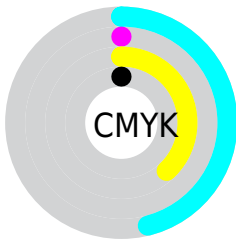
# Distribution



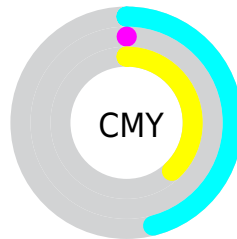
- Red (54%)
- Green (100%)
- Blue (62%)



- Red (54%)
- Yellow (93%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.4265, 0.2961, 0.4480 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 79.4265, 0.2961, 0.4480 by changing the saturation by 10% instead.





 79.4265, 0.2961,  
0.4480

 79.4265, 0.2961,  
0.4480

492.9980, 0.3059,  
0.3900

 59.2465, 0.2933,  
0.4619


 132.5591, 0.2999,  
0.4273

 42.8116, 0.2896,  
0.4793


 166.2806, 0.3013,  
0.4195

 29.7373, 0.2844,  
0.5017


205.2846, 0.3024,  
0.4127

 19.6393, 0.2768,  
0.5316

249.9557, 0.3033,  
0.4069

 12.1331, 0.2651,  
0.5729

300.6782, 0.3041,  
0.4019

 6.8344, 0.2453,  
0.6326


357.8365, 0.3048,


 3.3588, 0.2204,


0.3974

0.7620

421.8149, 0.3054,  
0.3935

 1.3218, 0.0000,  
1.0000

 0.1580, 0.0000,  
1.0000

 79.4265, 0.2961,  
0.4480

 79.4265, 0.2961,  
0.4480

 76.8334, 0.2937,  
0.4791


 82.6485, 0.2992,  
0.4178

 74.8334, 0.2923,  
0.5097

 86.5445, 0.3028,  
0.3896

 73.3765, 0.2920,  
0.5379

 91.1478, 0.3066,  
0.3640

 72.4073, 0.2930,  
0.5618

 96.4912, 0.3105,  
0.3412

■ 71.8580, 0.2951,  
0.5799

100.0000, 0.3127,  
0.3290

■ 71.7161, 0.2960,  
0.5856

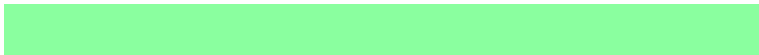
# Harmonies

## Analogous

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



79.4265, 0.3677, 0.4658



79.4265, 0.2961, 0.4480



79.4265, 0.2329, 0.3818

# Triad

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



79.4265, 0.2961, 0.4480



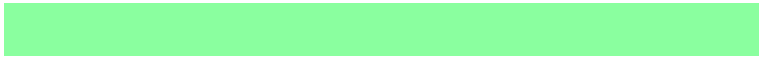
79.4265, 0.2021, 0.2191



79.4265, 0.4473, 0.3313

# Complementary

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



79.4265, 0.2961, 0.4480



45.3664, 0.3365, 0.2342

# 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.



79.4265, 0.3917, 0.2800



79.4265, 0.2961, 0.4480



79.4265, 0.2472, 0.2183

# Square

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



79.4265, 0.2961, 0.4480



79.4265, 0.1840, 0.2465



79.4265, 0.3155, 0.2401

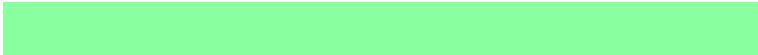


79.4265, 0.4596, 0.3866



# Rectangle

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



79.4265, 0.2961, 0.4480



79.4265, 0.2036, 0.3283



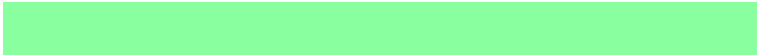
79.4265, 0.3155, 0.2401



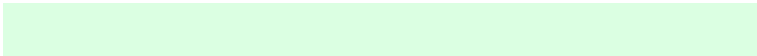
79.4265, 0.4328, 0.3134

# Sweetspot

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



79.4243, 0.2961, 0.4480



92.1022, 0.3074, 0.3594



91.1006, 0.3673, 0.4476



19.4814, 0.3065, 0.3646



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.



79.4243, 0.2961, 0.4480



77.0404, 0.2939, 0.4763



81.8780, 0.2687, 0.3753



20.2215, 0.3091, 0.3491



37.4885, 0.2954, 0.5835



3.6639, 0.2903, 0.5650



# Inverse Universe

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



45.3664, 0.3365, 0.2342



39.1655, 0.3426, 0.2179



42.6018, 0.3947, 0.2886



18.2410, 0.3166, 0.3097



13.5385, 0.3725, 0.1826

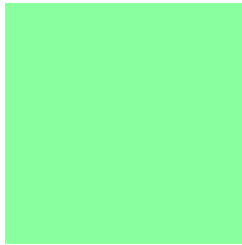


1.3322, 0.3655, 0.1787



# Previews

## White Background



This preview shows how the Yxy color 79.4265, 0.2961, 0.4480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

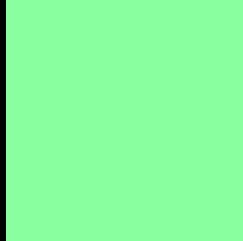
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.4265, 0.2961, 0.4480 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

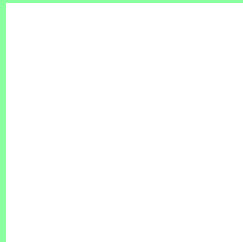
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.4265, 0.2961, 0.4480**

## Background



This preview shows how black text looks on a background with the Yxy color 79.4265, 0.2961, 0.4480.

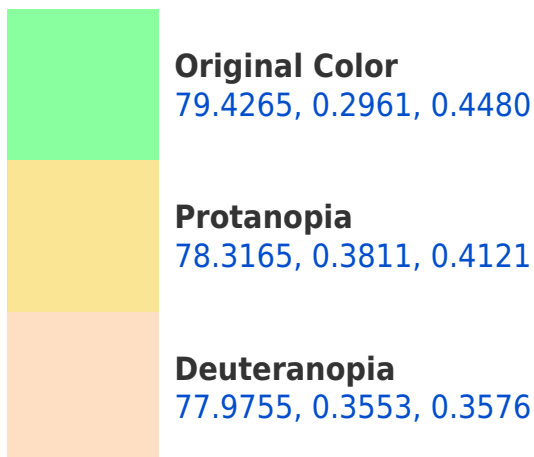


This preview shows how white text looks on a background with the Yxy color 79.4265, 0.2961, 0.4480.

# 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





## Tritanopia

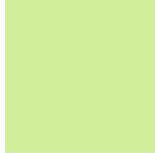
79.1239, 0.2677, 0.3125

# Trichromacy



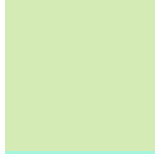
## Original Color

79.4265, 0.2961, 0.4480



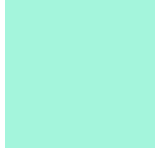
## Protanomaly

76.9714, 0.3459, 0.4258



## Deuteranomaly

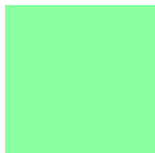
76.7911, 0.3303, 0.3884



## Tritanomaly

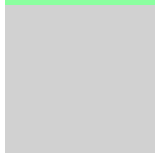
78.3646, 0.2782, 0.3580

# Monochromacy



## Original Color

79.4265, 0.2961, 0.4480



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

68.2216, 0.3053, 0.3711

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.4265, 0.2961, 0.4480 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(138, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 159)  
}
```

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(138, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 79.4265, 0.2961, 0.4480 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(138, 255, 159) }
```

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

```
.border{ border-color:rgb(138, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.4265, 0.2961, 0.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 159) }
```

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

```
.background{ background-color: rgb(138,  
255, 159) }
```

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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