

# Converting Colors

$Yxy(83.0150, 0.3064, 0.4746)$

Have a look what the booklet for  
Yxy(83.0150, 0.3064, 0.4746)  
contains.

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# Color

**Yxy(79.1939, 0.3066, 0.4695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EFF8D
RGB	142, 255, 141
RGB Percent	56%, 100%, 55%
CMY	0.4434, 0.0000, 0.4470
CMYK	0.44, 0.00, 0.45, 0.00
HSL	120°, 100%, 78%
HSV	120°, 45%, 100%
XYZ	51.7164, 79.1939, 37.7668
YIQ	208.2170, -30.7540, -59.4100

# Conversions

## Conversions Part 2

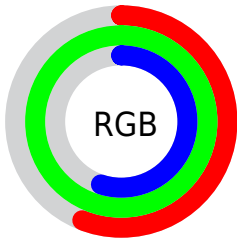
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 255, 254
Decimal	9371533
CIELab	91.32, -54.40, 44.52
CIELCh	91, 70.292, 140.707
Yxy	79.1939, 0.3066, 0.4695
Android (android.graphics.Color)	4287561613 (0xFF8EFF8D)
YUV	208.2170, -33.1380, -58.0723
Hunter-Lab	88.9910, -52.0003, 37.1316

# Details

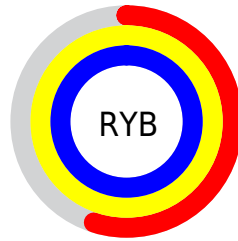
The Yxy color **79.1939, 0.3066, 0.4695** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.3625, 0.3171, 0.2193**, and the grayscale version is **63.4475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9230, 0.3127, 0.3938**, and **42.4761, 0.3016, 0.5065** is the 20% darker color. If you saturate the color by 10%, you get **76.5272, 0.3049, 0.5054**, and if you desaturate by 10%, it is **82.5334, 0.3082, 0.4335**.

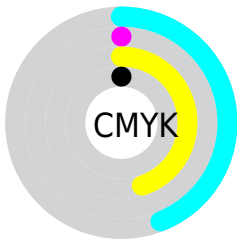
# Distribution



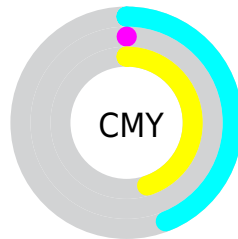
- Red (56%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1939, 0.3066, 0.4695 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 79.1939, 0.3066, 0.4695 by changing the saturation by 10% instead.




 79.1939, 0.3066,  
0.4695


 79.1939, 0.3066,  
0.4695


492.2121, 0.3125,  
0.4009

 59.0552, 0.3044,  
0.4858

 132.2318, 0.3093,  
0.4451

 42.6576, 0.3012,  
0.5062

 165.8998, 0.3102,  
0.4358

 29.6166, 0.2964,  
0.5323


204.8464, 0.3108,  
0.4278

 19.5477, 0.2889,  
0.5666

249.4560, 0.3113,  
0.4210

 12.0667, 0.2763,  
0.6129

300.1130, 0.3117,  
0.4150

 6.7891, 0.2545,  
0.6791


357.2017, 0.3120,


 3.3306, 0.2160,


0.4097


0.7840


421.1066, 0.3123,  
0.4051


 1.3067, 0.0000,  
1.0000


 0.1463, 0.0000,  
1.0000


 79.1939, 0.3066,  
0.4695

 79.1939, 0.3066,  
0.4695


 76.5272, 0.3049,  
0.5054


 82.5334, 0.3082,  
0.4335


 74.5006, 0.3034,  
0.5387

 86.6024, 0.3097,  
0.3994

 73.0563, 0.3020,  
0.5664

 91.4352, 0.3111,  
0.3683

 72.1332, 0.3009,  
0.5862

 97.0681, 0.3122,  
0.3407

■ 71.6559, 0.3003,  
0.5970

100.0000, 0.3127,  
0.3290

■ 71.5333, 0.3001,  
0.5999

# Harmonies

## Analogous

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



79.1939, 0.3840, 0.4769



79.1939, 0.3066, 0.4695



79.1939, 0.2350, 0.4025

# Triad

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



79.1939, 0.3066, 0.4695



79.1939, 0.1872, 0.2122



79.1939, 0.4535, 0.3203

# Complementary

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



79.1939, 0.3066, 0.4695



47.3625, 0.3171, 0.2193

# 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.



79.1939, 0.3857, 0.2669



79.1939, 0.3066, 0.4695



79.1939, 0.2306, 0.2073

# Square

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



79.1939, 0.3066, 0.4695



79.1939, 0.1728, 0.2463



79.1939, 0.3012, 0.2270



79.1939, 0.4751, 0.3795



# Rectangle

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



79.1939, 0.3066, 0.4695



79.1939, 0.2003, 0.3423



79.1939, 0.3012, 0.2270



79.1939, 0.4350, 0.3015

# Sweetspot

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



79.1892, 0.3066, 0.4695



92.3340, 0.3113, 0.3634



93.4977, 0.3800, 0.4376



19.5141, 0.3110, 0.3699



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.



79.1892, 0.3066, 0.4695



76.6917, 0.3051, 0.5030



81.1752, 0.2796, 0.4001



20.1751, 0.3117, 0.3536



37.3807, 0.3002, 0.5999



3.6420, 0.3006, 0.5996



# Inverse Universe

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



47.3625, 0.3171, 0.2193



41.0628, 0.3178, 0.1999



44.4821, 0.3694, 0.2686



18.2925, 0.3137, 0.3056



14.6824, 0.3189, 0.1530

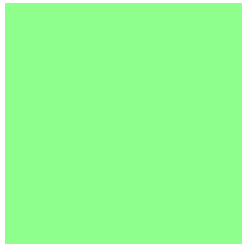


1.4319, 0.3192, 0.1532



# Previews

## White Background



This preview shows how the Yxy color 79.1939, 0.3066, 0.4695 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

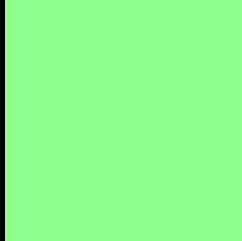
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1939, 0.3066, 0.4695 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

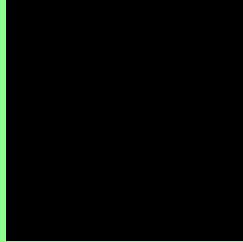
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.1939, 0.3066, 0.4695**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1939, 0.3066, 0.4695.



This preview shows how white text looks on a background with the Yxy color 79.1939, 0.3066, 0.4695.

# 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

79.1939, 0.3066, 0.4695

### Protanopia

78.1865, 0.3932, 0.4276

### Deuteranopia

77.7969, 0.3582, 0.3617



## Tritanopia

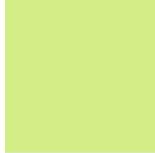
78.6563, 0.2682, 0.3114

# Trichromacy



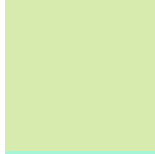
## Original Color

79.1939, 0.3066, 0.4695



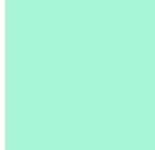
## Protanomaly

76.7472, 0.3572, 0.4435



## Deuteranomaly

76.7299, 0.3373, 0.3983



## Tritanomaly

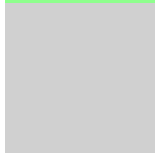
78.2668, 0.2824, 0.3652

# Monochromacy



## Original Color

79.1939, 0.3066, 0.4695



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

67.5015, 0.3104, 0.3786

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1939, 0.3066, 0.4695 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(142, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 141)  
}
```

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(142, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1939, 0.3066, 0.4695 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(142, 255, 141) }
```

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

```
.border{ border-color:rgb(142, 255, 141) }
```

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

Here you see how a box with a 4 pixel rgb(142, 255, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(142, 255,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1939, 0.3066, 0.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 255, 141) }
```

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

```
.background{ background-color: rgb(142,  
255, 141) }
```

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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