

# Converting Colors

Yxy(71.3274, 0.3024, 0.4839)

Have a look what the booklet for  
Yxy(71.3274, 0.3024, 0.4839)  
contains.

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# Color

**Yxy(71.5088, 0.3024, 0.4841)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79F67F
RGB	121, 246, 127
RGB Percent	47%, 96%, 50%
CMY	0.5256, 0.0353, 0.5018
CMYK	0.51, 0.00, 0.48, 0.04
HSL	123°, 87%, 72%
HSV	123°, 51%, 96%
XYZ	44.6690, 71.5088, 31.5371
YIQ	195.0590, -36.3010, -63.5090

# Conversions

## Conversions Part 2

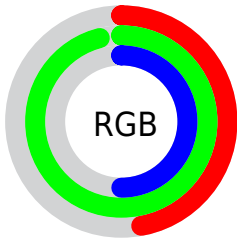
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 240, 246
Decimal	7992959
CIELab	87.73, -58.38, 46.52
CIELCh	88, 74.647, 141.450
Yxy	71.5088, 0.3024, 0.4841
Android (android.graphics.Color)	4286183039 (0xFF79F67F)
YUV	195.0590, -33.5531, -64.9497
Hunter-Lab	84.5629, -53.6952, 37.0822

# Details

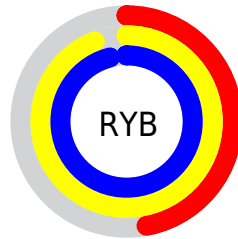
The Yxy color **71.5088, 0.3024, 0.4841** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **39.5468, 0.3240, 0.2116**, and the grayscale version is **54.8275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7212, 0.3082, 0.4128**, and **37.7730, 0.2948, 0.5264** is the 20% darker color. If you saturate the color by 10%, you get **69.4148, 0.3008, 0.5181**, and if you desaturate by 10%, it is **74.2036, 0.3043, 0.4492**.

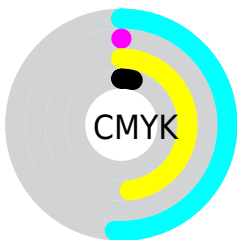
# Distribution



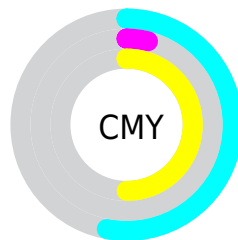
- Red (47%)
- Green (96%)
- Blue (50%)



- Red (47%)
- Yellow (94%)
- Blue (96%)



- Cyan (51%)
- Magenta (0%)
- Yellow (48%)
- Black (4%)




- Cyan (53%)
- Magenta (4%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5088, 0.3024, 0.4841 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 71.5088, 0.3024, 0.4841 by changing the saturation by 10% instead.




 71.5088, 0.3024,  
0.4841

 71.5088, 0.3024,  
0.4841


465.8301, 0.3110,  
0.4067


 52.7575, 0.2993,  
0.5029


 121.3579, 0.3063,  
0.4562

 37.6092, 0.2948,  
0.5266


 153.2245, 0.3075,  
0.4457

 25.6795, 0.2881,  
0.5572


 190.2317, 0.3084,  
0.4367

 16.5841, 0.2775,  
0.5978

232.7639, 0.3092,  
0.4290

 9.9384, 0.2596,  
0.6527

281.2054, 0.3098,  
0.4223

 5.3581, 0.2352,  
0.7522


335.9407, 0.3103,

 2.4589, 0.1520,


0.4164


0.8480


397.3541, 0.3107,  
0.4113


 0.8559, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 71.5088, 0.3024,  
0.4841


 71.5088, 0.3024,  
0.4841


 69.4148, 0.3008,  
0.5181


 74.2036, 0.3043,  
0.4492


 67.8675, 0.2996,  
0.5486


 77.5306, 0.3064,  
0.4154


 66.8182, 0.2991,  
0.5731


 81.5298, 0.3086,  
0.3840

 66.2056, 0.2991,  
0.5897

 86.2353, 0.3106,  
0.3558

 65.9430, 0.2994,  
0.5978

 91.6788, 0.3126,  
0.3309

 94.3966, 0.3131,  
0.3204

# Harmonies

## Analogous

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



71.5088, 0.3865, 0.4912



71.5088, 0.3024, 0.4841



71.5088, 0.2256, 0.4079

# Triad

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



71.5088, 0.3024, 0.4841



71.5088, 0.1780, 0.2020



71.5088, 0.4686, 0.3196

# Complementary

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



71.5088, 0.3024, 0.4841



39.5468, 0.3240, 0.2116

# 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.



71.5088, 0.3948, 0.2626



71.5088, 0.3024, 0.4841



71.5088, 0.2248, 0.1980

# Square

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



71.5088, 0.3024, 0.4841



71.5088, 0.1618, 0.2367



71.5088, 0.3017, 0.2197



71.5088, 0.4897, 0.3829



# Rectangle

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



71.5088, 0.3024, 0.4841



71.5088, 0.1892, 0.3403



71.5088, 0.3017, 0.2197



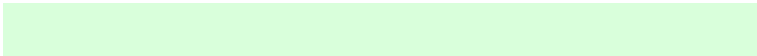
71.5088, 0.4487, 0.2996

# Sweetspot

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



71.5118, 0.3024, 0.4841



91.3273, 0.3098, 0.3673



86.1450, 0.3841, 0.4535



19.3179, 0.3093, 0.3732



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.



71.5118, 0.3024, 0.4841



75.2597, 0.3007, 0.5190



73.5945, 0.2734, 0.4034



18.4851, 0.3109, 0.3523



35.2009, 0.2992, 0.5970



3.0983, 0.2970, 0.5893



# Inverse Universe

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



39.5468, 0.3240, 0.2116



37.0121, 0.3264, 0.1930



36.5268, 0.3880, 0.2674



16.7536, 0.3145, 0.3068



13.6366, 0.3335, 0.1611

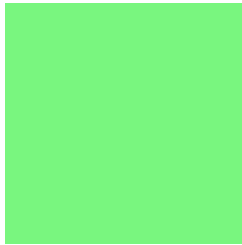


1.2027, 0.3317, 0.1601



# Previews

## White Background



This preview shows how the Yxy color 71.5088, 0.3024, 0.4841 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

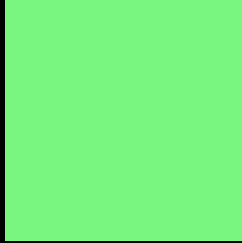
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.5088, 0.3024, 0.4841 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

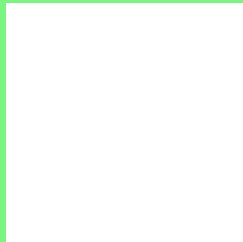
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.5088, 0.3024, 0.4841**

## Background



This preview shows how black text looks on a background with the Yxy color 71.5088, 0.3024, 0.4841.

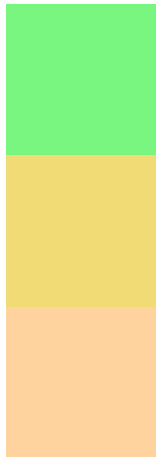


This preview shows how white text looks on a background with the Yxy color 71.5088, 0.3024, 0.4841.

# 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

71.5088, 0.3024, 0.4841

### Protanopia

70.6482, 0.3988, 0.4347

### Deuteranopia

70.3172, 0.3859, 0.3838



## Tritanopia

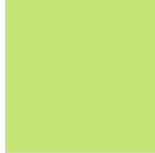
70.9742, 0.2528, 0.3068

# Trichromacy



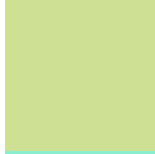
## Original Color

71.5088, 0.3024, 0.4841



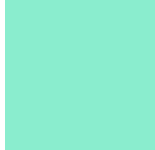
## Protanomaly

69.2894, 0.3576, 0.4547



## Deuteranomaly

68.5397, 0.3504, 0.4186



## Tritanomaly

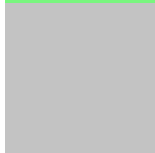
70.4279, 0.2709, 0.3676

# Monochromacy



## Original Color

71.5088, 0.3024, 0.4841



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

59.3202, 0.3086, 0.3858

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.5088, 0.3024, 0.4841 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(121, 246, 127)` looks like.

```
.text, #text, p{  
    color:rgb(121, 246, 127)  
}
```

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(121, 246, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 246, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5088, 0.3024, 0.4841 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(121, 246, 127) }
```

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

```
.border{ border-color:rgb(121, 246, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 246, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 246, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 246, 127);  
box-shadow:4px 4px 4px 4px rgb(121, 246,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.5088, 0.3024, 0.4841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 246, 127) }
```

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

```
.background{ background-color: rgb(121,  
246, 127) }
```

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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