

# Converting Colors

$Y_{xy}(71.3601, 0.2885, 0.5141)$

Have a look what the booklet for  
Yxy(71.3601, 0.2885, 0.5141)  
contains.

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# Color

**Yxy(71.5643, 0.2888, 0.5147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48FB71
RGB	72, 251, 113
RGB Percent	28%, 98%, 44%
CMY	0.7173, 0.0157, 0.5568
CMYK	0.71, 0.00, 0.55, 0.02
HSL	134°, 96%, 63%
HSV	134°, 71%, 98%
XYZ	40.1550, 71.5643, 27.3215
YIQ	181.7470, -62.3860, -80.8660

# Conversions

## Conversions Part 2

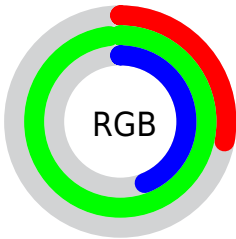
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 218, 251
Decimal	4782961
CIE <sub>Lab</sub>	87.76, -72.06, 52.75
CIE <sub>LCh</sub>	88, 89.300, 143.795
Yxy	71.5643, 0.2888, 0.5147
Android (android.graphics.Color)	4282973041 (0xFF48FB71)
YUV	181.7470, -33.8923, -96.2481
Hunter-Lab	84.5957, -63.3140, 40.0683

# Details

The Yxy color **71.5643, 0.2888, 0.5147** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **29.8111, 0.3644, 0.2021**, and the grayscale version is **46.8616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0979, 0.2938, 0.4359**, and **38.4557, 0.2885, 0.5587** is the 20% darker color. If you saturate the color by 10%, you get **70.3997, 0.2894, 0.5408**, and if you desaturate by 10%, it is **73.2213, 0.2896, 0.4860**.

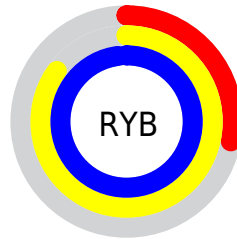
# Distribution



Red (28%)

Green (98%)

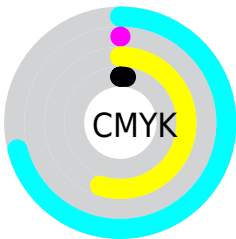
Blue (44%)



Red (28%)

Yellow (85%)

Blue (98%)

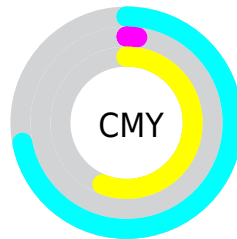


Cyan (71%)

Magenta (0%)

Yellow (55%)

Black (2%)



Cyan (72%)

Magenta (2%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5643, 0.2888, 0.5147 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 71.5643, 0.2888, 0.5147 by changing the saturation by 10% instead.




 71.5643, 0.2888,  
0.5147


 71.5643, 0.2888,  
0.5147


466.0237, 0.3053,  
0.4210


 52.8028, 0.2835,  
0.5376


 121.4369, 0.2957,  
0.4809


 37.6454, 0.2760,  
0.5663


 153.3168, 0.2981,  
0.4681

 25.7076, 0.2652,  
0.6032


 190.3383, 0.2999,  
0.4572

 16.6050, 0.2487,  
0.6515

 232.8858, 0.3014,  
0.4479

 9.9533, 0.2225,  
0.7155

281.3437, 0.3026,  
0.4398

 5.3680, 0.1832,  
0.8168

336.0964, 0.3037,

 2.4648, 0.0426,

0.4328

0.9574

397.5282, 0.3045,  
0.4265

0.8589, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

71.5643, 0.2888,  
0.5147

71.5643, 0.2888,  
0.5147

70.3997, 0.2894,  
0.5408

73.2213, 0.2896,  
0.4860

69.6615, 0.2913,  
0.5627

75.4101, 0.2918,  
0.4564

69.2935, 0.2938,  
0.5775


78.1758, 0.2949,  
0.4273

81.5562, 0.2988,  
0.3998

 85.5861, 0.3031,  
0.3744

 90.2973, 0.3076,  
0.3516

 95.7198, 0.3121,  
0.3314

 97.4739, 0.3129,  
0.3252

# Harmonies

## Analogous

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



71.5643, 0.3861, 0.5226



71.5643, 0.2888, 0.5147



71.5643, 0.2030, 0.4147

# Triad

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



71.5643, 0.2888, 0.5147



71.5643, 0.1608, 0.1806



71.5643, 0.5029, 0.3198

# Complementary

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



71.5643, 0.2888, 0.5147



29.8111, 0.3644, 0.2021

# 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.



71.5643, 0.4184, 0.2557



71.5643, 0.2888, 0.5147



71.5643, 0.2155, 0.1797

# Square

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



71.5643, 0.2888, 0.5147



71.5643, 0.1400, 0.2147



71.5643, 0.3067, 0.2061



71.5643, 0.5188, 0.3906



# Rectangle

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



71.5643, 0.2888, 0.5147



71.5643, 0.1647, 0.3307



71.5643, 0.3067, 0.2061



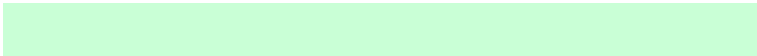
71.5643, 0.4811, 0.2974

# Sweetspot

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



71.5672, 0.2888, 0.5147



88.8397, 0.3032, 0.3738



83.4947, 0.3804, 0.5050



18.7523, 0.3020, 0.3805



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.



71.5672, 0.2888, 0.5147



72.5594, 0.2902, 0.5519



74.5592, 0.2522, 0.3947



19.3743, 0.3084, 0.3478



36.4419, 0.2931, 0.5751



3.3906, 0.2871, 0.5534



# Inverse Universe

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



29.8111, 0.3644, 0.2021



26.9034, 0.3781, 0.1924



26.5788, 0.4877, 0.2839



17.4526, 0.3173, 0.3109



12.8413, 0.3889, 0.1916

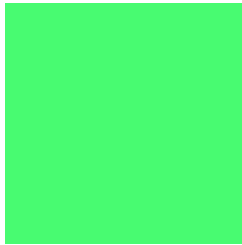


1.2053, 0.3791, 0.1862



# Previews

## White Background



This preview shows how the Yxy color 71.5643, 0.2888, 0.5147 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 71.5643, 0.2888, 0.5147 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 71.5643, 0.2888, 0.5147**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.5643, 0.2888, 0.5147.

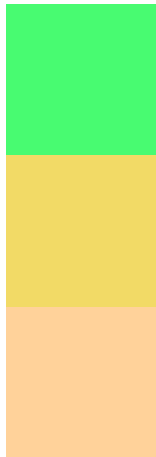


This preview shows how white text looks on a background with the Yxy color 71.5643, 0.2888, 0.5147.

# 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

71.5643, 0.2888, 0.5147

### Protanopia

69.9794, 0.4088, 0.4464

### Deuteranopia

69.6863, 0.3893, 0.3869



## Tritanopia

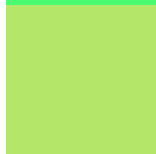
71.1328, 0.2397, 0.3064

# Trichromacy



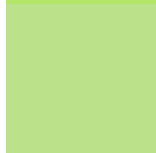
## Original Color

71.5643, 0.2888, 0.5147



## Protanomaly

67.3375, 0.3525, 0.4773



## Deuteranomaly

66.4059, 0.3415, 0.4334



## Tritanomaly

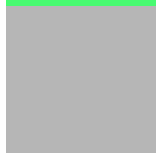
70.0472, 0.2575, 0.3781

# Monochromacy



## Original Color

71.5643, 0.2888, 0.5147



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

52.8108, 0.2988, 0.3990

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.5643, 0.2888, 0.5147 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(72, 251, 113)` looks like.

```
.text, #text, p{  
    color:rgb(72, 251, 113)  
}
```

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(72, 251, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 251, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5643, 0.2888, 0.5147 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(72, 251, 113) }
```

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

```
.border{ border-color:rgb(72, 251, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 251, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 251, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 251, 113);  
box-shadow:4px 4px 4px 4px rgb(72, 251,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.5643, 0.2888, 0.5147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 251, 113) }
```

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

```
.background{ background-color: rgb(72, 251,  
113) }
```

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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