

# Converting Colors

Yxy(71.3355, 0.3379, 0.5699)

Have a look what the booklet for  
Yxy(71.3355, 0.3379, 0.5699)  
contains.

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**Color**

**Yxy(71.1107, 0.3379, 0.5699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80F700
RGB	128, 247, 0
RGB Percent	50%, 97%, 0%
CMY	0.4981, 0.0314, 0.9997
CMYK	0.48, 0.00, 1.00, 0.03
HSL	89°, 100%, 48%
HSV	89°, 100%, 97%
XYZ	42.1623, 71.1107, 11.5045
YIQ	183.2610, 8.3630, -102.0450

# Conversions

## Conversions Part 2

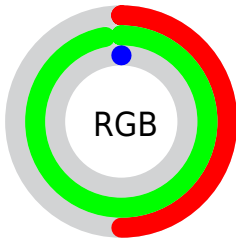
Format	Color
<b>RYB</b>	0, 247, 119
Decimal	8451840
CIELab	87.54, -64.96, 83.96
CIELCh	88, 106.159, 127.728
Yxy	71.1107, 0.3379, 0.5699
Android (android.graphics.Color)	4286641920 (0xFF80F700)
YUV	183.2610, -90.3477, -48.4639
Hunter-Lab	84.3272, -58.3252, 50.9403

# Details

The Yxy color **71.1107, 0.3379, 0.5699** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **10.6449, 0.1971, 0.0860**, and the grayscale version is **48.0128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2399, 0.3566, 0.5037**, and **37.7876, 0.3154, 0.5878** is the 20% darker color. If you saturate the color by 10%, you get **71.1110, 0.3379, 0.5699**, and if you desaturate by 10%, it is **72.1607, 0.3432, 0.5598**.

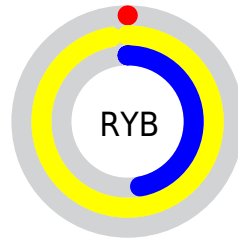
# Distribution



Red (50%)

Green (97%)

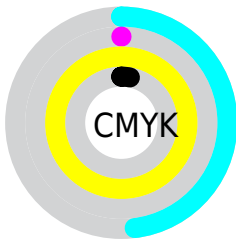
Blue (0%)



Red (0%)

Yellow (97%)

Blue (47%)

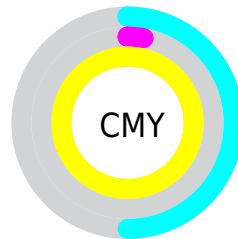


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (50%)

Magenta (3%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1107, 0.3379, 0.5699 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 71.1107, 0.3379, 0.5699 by changing the saturation by 10% instead.





 71.1107, 0.3379,  
0.5699


 71.1107, 0.3379,  
0.5699


464.4403, 0.3385,  
0.4542

 52.4325, 0.3338,  
0.5949

 120.7913, 0.3412,  
0.5304


 37.3500, 0.3266,  
0.6241


 152.5626, 0.3416,  
0.5147

 25.4786, 0.3143,  
0.6580


 189.4670, 0.3415,  
0.5011

 16.4340, 0.2967,  
0.7033

 231.8890, 0.3411,  
0.4893

 9.8318, 0.2607,  
0.7393

 280.2129, 0.3406,  
0.4789

 5.2875, 0.2099,  
0.7901


 334.8232, 0.3399,

 2.4169, 0.0970,


0.4697


0.9030


396.1042, 0.3392,  
0.4615


 0.8346, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 71.1107, 0.3379,  
0.5699


 71.1107, 0.3379,  
0.5699


 71.1110, 0.3379,  
0.5699

 72.1607, 0.3432,  
0.5598


 73.4070, 0.3467,  
0.5445


 74.8830, 0.3480,  
0.5237

 76.6082, 0.3470,  
0.4985

 78.5994, 0.3439,  
0.4702

 80.8714, 0.3393,  
0.4404

 83.4380, 0.3334,  
0.4105

 86.3116, 0.3268,  
0.3815

 89.5040, 0.3198,  
0.3542

# Harmonies

## Analogous

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



71.1107, 0.4450, 0.5161



71.1107, 0.3379, 0.5699



71.1107, 0.2304, 0.5110

# Triad

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



71.1107, 0.3379, 0.5699



71.1107, 0.1240, 0.1732



71.1107, 0.4925, 0.2746

# Complementary

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



71.1107, 0.3379, 0.5699



10.6449, 0.1971, 0.0860

# 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.



71.1107, 0.3650, 0.2114



71.1107, 0.3379, 0.5699



71.1107, 0.1628, 0.1559

# Square

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



71.1107, 0.3379, 0.5699



71.1107, 0.1191, 0.2341



71.1107, 0.2426, 0.1698



71.1107, 0.5546, 0.3479



# Rectangle

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



71.1107, 0.3379, 0.5699



71.1107, 0.1729, 0.4107



71.1107, 0.2426, 0.1698



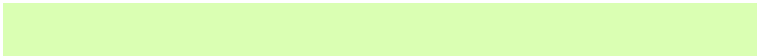
71.1107, 0.4539, 0.2519

# Sweetspot

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



71.1138, 0.3379, 0.5699



89.6800, 0.3334, 0.4107



32.1067, 0.5532, 0.3989



18.9376, 0.3360, 0.4233



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.



71.1138, 0.3379, 0.5699



76.4337, 0.3378, 0.5700



66.5786, 0.3005, 0.5996



18.8942, 0.3194, 0.3529



37.6915, 0.3391, 0.5690



3.3739, 0.3483, 0.5616



# Inverse Universe

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



10.6449, 0.1971, 0.0860



11.4235, 0.1969, 0.0859



25.0287, 0.3125, 0.1495



16.3186, 0.3055, 0.3051



5.7110, 0.1988, 0.0869

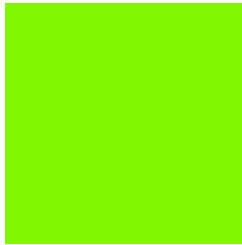


0.5628, 0.2125, 0.0944



# Previews

## White Background



This preview shows how the Yxy color 71.1107, 0.3379, 0.5699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

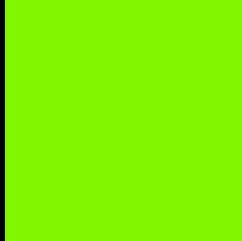
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.1107, 0.3379, 0.5699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

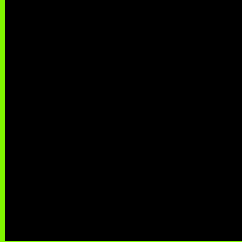
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

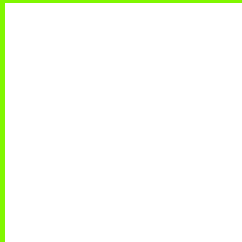
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.1107, 0.3379, 0.5699**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1107, 0.3379, 0.5699.



This preview shows how white text looks on a background with the Yxy color 71.1107, 0.3379, 0.5699.

# 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

71.1107, 0.3379, 0.5699

### Protanopia

69.7356, 0.4413, 0.4878

### Deuteranopia

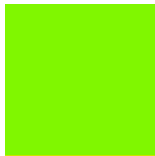
69.8317, 0.3968, 0.3987



## Tritanopia

70.8445, 0.2598, 0.3081

# Trichromacy



## Original Color

71.1107, 0.3379, 0.5699



## Protanomaly

68.7351, 0.3992, 0.5212



## Deuteranomaly

67.6219, 0.3848, 0.4745



## Tritanomaly

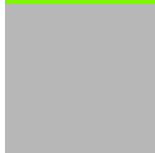
68.7554, 0.3020, 0.4292

# Monochromacy



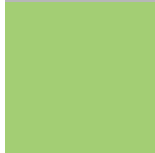
## Original Color

71.1107, 0.3379, 0.5699



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

53.1901, 0.3412, 0.4501

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1107, 0.3379, 0.5699 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(128, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 247, 0)  
}
```

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(128, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 247, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1107, 0.3379, 0.5699 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(128, 247, 0) }
```

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

```
.border{ border-color:rgb(128, 247, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 247, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 247,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1107, 0.3379, 0.5699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 247, 0) }
```

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

```
.background{ background-color: rgb(128,  
247, 0) }
```

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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