

# Converting Colors

$Y_{xy}(71.4273, 0.3205, 0.5837)$

Have a look what the booklet for  
Yxy(71.4273, 0.3205, 0.5837)  
contains.

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**Color**

**Yxy(71.4273, 0.3205, 0.5837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FFB00
RGB	95, 251, 0
RGB Percent	37%, 98%, 0%
CMY	0.6273, 0.0157, 0.9994
CMYK	0.62, 0.00, 1.00, 0.02
HSL	97°, 100%, 49%
HSV	97°, 100%, 98%
XYZ	39.2195, 71.4273, 11.7230
YIQ	175.7420, -12.4050, -111.1330

# Conversions

## Conversions Part 2

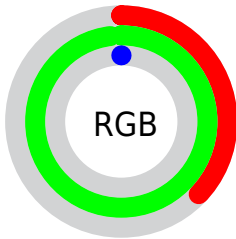
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 251, 156
Decimal	6290176
CIELab	87.69, -74.71, 83.63
CIELCh	88, 112.142, 131.774
Yxy	71.4273, 0.3205, 0.5837
Android (android.graphics.Color)	4284480256 (0xFF5FFB00)
YUV	175.7420, -86.6408, -70.8107
Hunter-Lab	84.5147, -65.0667, 50.9362

# Details

The Yxy color **71.4273, 0.3205, 0.5837** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **14.0484, 0.2265, 0.1021**, and the grayscale version is **43.7547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9741, 0.3385, 0.5148**, and **38.1399, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.4249, 0.3205, 0.5838**, and if you desaturate by 10%, it is **72.4228, 0.3260, 0.5732**.

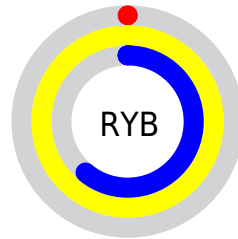
# Distribution



Red (37%)

Green (98%)

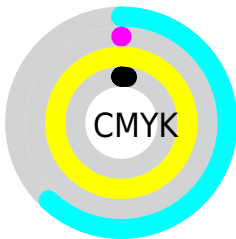
Blue (0%)



Red (0%)

Yellow (98%)

Blue (61%)

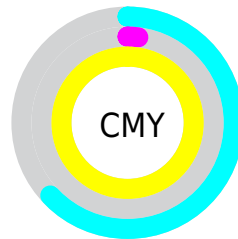


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (63%)

Magenta (2%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4273, 0.3205, 0.5837 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 71.4273, 0.3205, 0.5837 by changing the saturation by 10% instead.




 71.4273, 0.3205,  
0.5837


 71.4273, 0.3205,  
0.5837


465.5458, 0.3297,  
0.4596

 52.6910, 0.3144,  
0.6110


 121.2420, 0.3269,  
0.5409


 37.5561, 0.3048,  
0.6432


 153.0891, 0.3284,  
0.5240


 25.6384, 0.2895,  
0.6809


 190.0752, 0.3293,  
0.5095

 16.5533, 0.2682,  
0.7318

 232.5849, 0.3298,  
0.4968

 9.9165, 0.2279,  
0.7721

 281.0023, 0.3300,  
0.4857

 5.3436, 0.1727,  
0.8273


 335.7121, 0.3300,

 2.4503, 0.0152,

0.4760


0.9848


397.0984, 0.3299,  
0.4673


 0.8516, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 71.4273, 0.3205,  
0.5837

 71.4273, 0.3205,  
0.5837


 71.4249, 0.3205,  
0.5838

 72.4228, 0.3260,  
0.5732

 73.6830, 0.3303,  
0.5566

 75.2472, 0.3328,  
0.5339


 77.1404, 0.3335,  
0.5063

 79.3843, 0.3325,  
0.4757

 81.9984, 0.3300,  
0.4438

 85.0007, 0.3264,  
0.4123

 88.4076, 0.3222,  
0.3822

 92.2349, 0.3175,  
0.3543

# Harmonies

## Analogous

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



71.4273, 0.4331, 0.5335



71.4273, 0.3205, 0.5837



71.4273, 0.2115, 0.5037

# Triad

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



71.4273, 0.3205, 0.5837



71.4273, 0.1206, 0.1621



71.4273, 0.5162, 0.2810

# Complementary

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



71.4273, 0.3205, 0.5837



14.0484, 0.2265, 0.1021

# 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.



71.4273, 0.3866, 0.2142



71.4273, 0.3205, 0.5837



71.4273, 0.1652, 0.1496

# Square

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



71.4273, 0.3205, 0.5837



71.4273, 0.1106, 0.2167



71.4273, 0.2538, 0.1679



71.4273, 0.5669, 0.3565



# Rectangle

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



71.4273, 0.3205, 0.5837



71.4273, 0.1566, 0.3917



71.4273, 0.2538, 0.1679



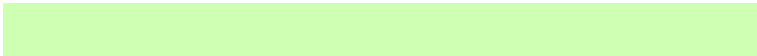
71.4273, 0.4785, 0.2573

# Sweetspot

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



71.4303, 0.3205, 0.5837



88.0826, 0.3265, 0.4126



43.9002, 0.5090, 0.4340



18.5618, 0.3281, 0.4258



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.



71.4303, 0.3205, 0.5837



74.0313, 0.3204, 0.5838



69.0871, 0.2981, 0.5930



19.6291, 0.3173, 0.3531



37.6200, 0.3216, 0.5828



3.5428, 0.3308, 0.5755



# Inverse Universe

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



14.0484, 0.2265, 0.1021



14.5450, 0.2263, 0.1021



25.7726, 0.3533, 0.1720



17.1775, 0.3077, 0.3052



7.4657, 0.2279, 0.1029

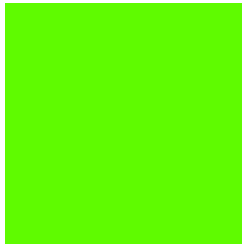


0.7521, 0.2389, 0.1090



# Previews

## White Background



This preview shows how the Yxy color 71.4273, 0.3205, 0.5837 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

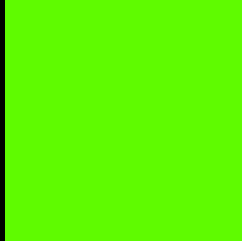
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4273, 0.3205, 0.5837 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

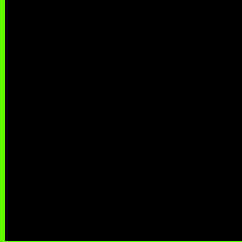
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

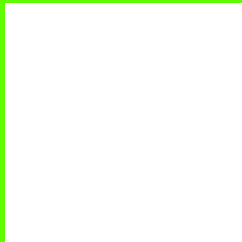
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.4273, 0.3205, 0.5837**

## Background



This preview shows how black text looks on a background with the Yxy color 71.4273, 0.3205, 0.5837.



This preview shows how white text looks on a background with the Yxy color 71.4273, 0.3205, 0.5837.

# 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

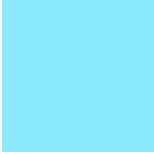
71.4273, 0.3205, 0.5837

### Protanopia

69.7356, 0.4413, 0.4878

### Deuteranopia

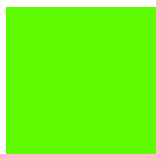
69.8317, 0.3968, 0.3987



## **Tritanopia**

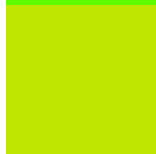
70.7094, 0.2480, 0.3066

# Trichromacy



## Original Color

71.4273, 0.3205, 0.5837



## Protanomaly

67.6700, 0.3893, 0.5291



## Deuteranomaly

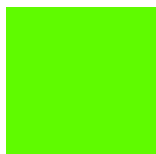
67.0184, 0.3743, 0.4814



## Tritanomaly

68.9958, 0.2869, 0.4347

# Monochromacy



## Original Color

71.4273, 0.3205, 0.5837



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

50.0848, 0.3317, 0.4575

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4273, 0.3205, 0.5837 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(95, 251, 0)` looks like.

```
.text, #text, p{  
    color:rgb(95, 251, 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(95, 251, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 251, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4273, 0.3205, 0.5837 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(95, 251, 0) }
```

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

```
.border{ border-color:rgb(95, 251, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 251, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 251, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 251, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 251, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 71.4273, 0.3205, 0.5837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 251, 0) }
```

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

```
.background{ background-color: rgb(95, 251,  
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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