

# Converting Colors

Yxy(69.4646, 0.3253, 0.5799)

Have a look what the booklet for  
Yxy(69.4646, 0.3253, 0.5799)  
contains.

<b>Yxy(69.4646, 0.3253, 0.5799)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(69.4646, 0.3253, 0.5799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68F700
RGB	104, 247, 0
RGB Percent	41%, 97%, 0%
CMY	0.5923, 0.0313, 0.9996
CMYK	0.58, 0.00, 1.00, 0.03
HSL	95°, 100%, 48%
HSV	95°, 100%, 97%
XYZ	38.9668, 69.4646, 11.3558
YIQ	176.0850, -5.9410, -107.1330

# Conversions

## Conversions Part 2

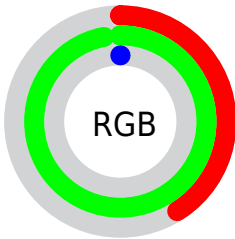
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 247, 143
Decimal	6878976
CIELab	86.73, -71.38, 82.99
CIELCh	87, 109.459, 130.700
Yxy	69.4646, 0.3253, 0.5799
Android (android.graphics.Color)	4285069056 (0xFF68F700)
YUV	176.0850, -86.8099, -63.2185
Hunter-Lab	83.3454, -62.3998, 50.2635

# Details

The Yxy color **69.4646, 0.3253, 0.5799** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **12.5697, 0.2171, 0.0969**, and the grayscale version is **43.9291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7103, 0.3432, 0.5129**, and **36.3952, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.4642, 0.3253, 0.5799**, and if you desaturate by 10%, it is **70.4665, 0.3308, 0.5694**.

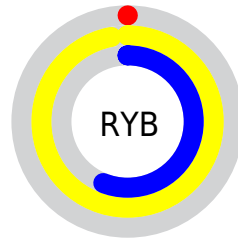
# Distribution



Red (41%)

Green (97%)

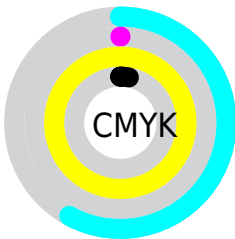
Blue (0%)



Red (0%)

Yellow (97%)

Blue (56%)

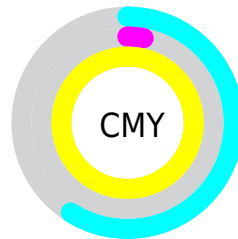


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (59%)

Magenta (3%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4646, 0.3253, 0.5799 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 69.4646, 0.3253, 0.5799 by changing the saturation by 10% instead.





 69.4646, 0.3253,  
0.5799

 69.4646, 0.3253,  
0.5799

458.6679, 0.3321,  
0.4575

 51.0902, 0.3197,  
0.6068


 118.4449, 0.3308,  
0.5377


 36.2804, 0.3106,  
0.6386


 149.8196, 0.3320,  
0.5210


 24.6508, 0.2959,  
0.6757


 186.2965, 0.3327,  
0.5067

 15.8171, 0.2748,  
0.7252

 228.2600, 0.3329,  
0.4942

 9.3948, 0.2348,  
0.7652

 276.0945, 0.3329,  
0.4833

 4.9996, 0.1792,  
0.8208

 330.1844, 0.3327,

 2.2470, 0.0081,

0.4737

0.9919

390.9140, 0.3325,  
0.4651

0.7455, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.4646, 0.3253,  
0.5799

69.4646, 0.3253,  
0.5799

69.4642, 0.3253,  
0.5799

70.4665, 0.3308,  
0.5694

71.7051, 0.3350,  
0.5531

73.2166, 0.3373,  
0.5308


75.0235, 0.3375,  
0.5039

 77.1449, 0.3359,  
0.4740

 79.5983, 0.3328,  
0.4428

 82.3995, 0.3285,  
0.4118

 85.5634, 0.3236,  
0.3820

 89.1037, 0.3182,  
0.3543

# Harmonies

## Analogous

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



69.4646, 0.4364, 0.5287



69.4646, 0.3253, 0.5799



69.4646, 0.2167, 0.5058

# Triad

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



69.4646, 0.3253, 0.5799



69.4646, 0.1215, 0.1651



69.4646, 0.5097, 0.2793

# Complementary

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



69.4646, 0.3253, 0.5799



12.5697, 0.2171, 0.0969

# 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.



69.4646, 0.3806, 0.2135



69.4646, 0.3253, 0.5799



69.4646, 0.1646, 0.1513

# Square

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



69.4646, 0.3253, 0.5799



69.4646, 0.1129, 0.2214



69.4646, 0.2507, 0.1685



69.4646, 0.5637, 0.3542



# Rectangle

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



69.4646, 0.3253, 0.5799



69.4646, 0.1610, 0.3970



69.4646, 0.2507, 0.1685



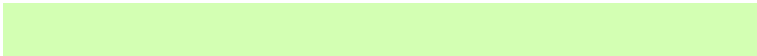
69.4646, 0.4718, 0.2559

# Sweetspot

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



69.4676, 0.3253, 0.5799



88.5564, 0.3286, 0.4120



38.5352, 0.5235, 0.4225



18.6728, 0.3305, 0.4250



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.



69.4676, 0.3253, 0.5799



74.6627, 0.3252, 0.5800



66.5662, 0.2991, 0.5968



18.8126, 0.3179, 0.3530



36.8138, 0.3265, 0.5790



3.2946, 0.3362, 0.5713



# Inverse Universe

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



12.5697, 0.2171, 0.0969



13.4906, 0.2169, 0.0968



25.5216, 0.3387, 0.1640



16.4008, 0.3070, 0.3052



6.7298, 0.2186, 0.0978

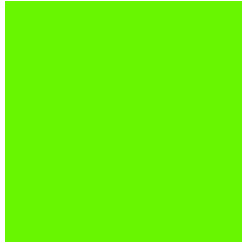


0.6518, 0.2310, 0.1046



# Previews

## White Background



This preview shows how the Yxy color 69.4646, 0.3253, 0.5799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

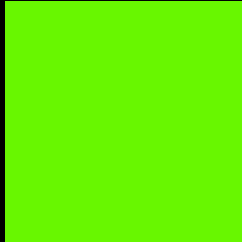
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.4646, 0.3253, 0.5799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

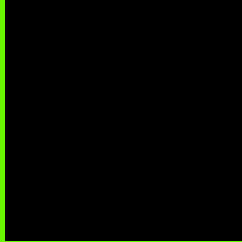
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

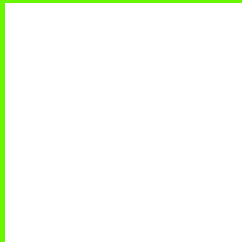
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.4646, 0.3253, 0.5799**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.4646, 0.3253, 0.5799.



This preview shows how white text looks on a background with the Yxy color 69.4646, 0.3253, 0.5799.

# 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

69.4646, 0.3253, 0.5799

### Protanopia

68.1664, 0.4407, 0.4883

### Deuteranopia

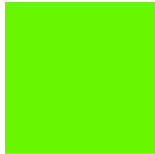
68.0652, 0.4053, 0.4055



## Tritanopia

69.1217, 0.2510, 0.3076

# Trichromacy



## Original Color

69.4646, 0.3253, 0.5799



## Protanomaly

66.1446, 0.3920, 0.5269



## Deuteranomaly

65.1778, 0.3815, 0.4820



## Tritanomaly

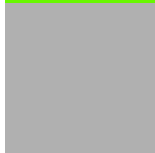
67.0487, 0.2907, 0.4325

# Monochromacy



## Original Color

69.4646, 0.3253, 0.5799



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

49.8949, 0.3343, 0.4555

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.4646, 0.3253, 0.5799 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(104, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 247, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 69.4646, 0.3253, 0.5799 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(104, 247, 0) }
```

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

```
.border{ border-color:rgb(104, 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(104, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 247,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.4646, 0.3253, 0.5799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 247, 0) }
```

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

```
.background{ background-color: rgb(104,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor