

# Converting Colors

Yxy(67.2989, 0.3051, 0.5959)

Have a look what the booklet for  
Yxy(67.2989, 0.3051, 0.5959)  
contains.

<b>Yxy(67.0794, 0.3051, 0.5959)</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(67.0794, 0.3051, 0.5959)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DF700
RGB	45, 247, 0
RGB Percent	18%, 97%, 0%
CMY	0.8235, 0.0314, 0.9989
CMYK	0.82, 0.00, 1.00, 0.03
HSL	109°, 100%, 48%
HSV	109°, 100%, 97%
XYZ	34.3446, 67.0794, 11.1443
YIQ	158.4440, -41.1050, -119.6410

# Conversions

## Conversions Part 2

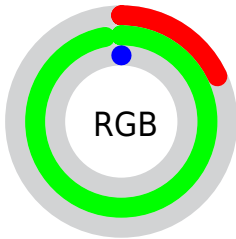
Format	Color
<a href="#">RYB</a>	<a href="#">0, 247, 202</a>
Decimal	<a href="#">3012352</a>
CIELab	<a href="#">85.54, -81.56, 81.52</a>
CIELCh	<a href="#">86, 115.316, 135.013</a>
Yxy	<a href="#">67.0794, 0.3051, 0.5959</a>
Android (android.graphics.Color)	<a href="#">4281202432 (0xFF2DF700)</a>
YUV	<a href="#">158.4440, -78.1129, -99.4904</a>
Hunter-Lab	<a href="#">81.9020, -68.4768, 49.2639</a>

# Details

The Yxy color **67.0794, 0.3051, 0.5959** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **19.3140, 0.2746, 0.1287**, and the grayscale version is **34.7989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0212, 0.3205, 0.5269**, and **36.3952, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.0766, 0.3051, 0.5960**, and if you desaturate by 10%, it is **67.7254, 0.3086, 0.5865**.

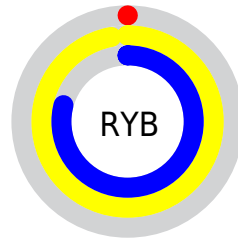
# Distribution



Red (18%)

Green (97%)

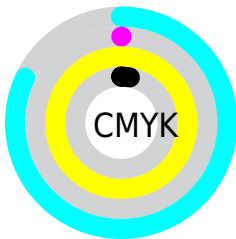
Blue (0%)



Red (0%)

Yellow (97%)

Blue (79%)

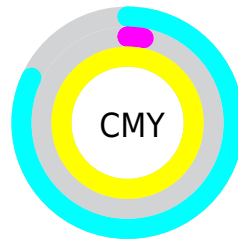


Cyan (82%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (82%)

Magenta (3%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0794, 0.3051, 0.5959 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 67.0794, 0.3051, 0.5959 by changing the saturation by 10% instead.



 67.0794, 0.3051,  
0.5959


 67.0794, 0.3051,  
0.5959


450.2273, 0.3220,  
0.4628

 49.1492, 0.2970,  
0.6259


 115.0342, 0.3143,  
0.5493


 34.7378, 0.2849,  
0.6617


 145.8275, 0.3168,  
0.5312


 23.4610, 0.2662,  
0.7039


 181.6773, 0.3186,  
0.5156

 14.9343, 0.2400,  
0.7600

 222.9680, 0.3199,  
0.5021

 8.7733, 0.1942,  
0.8058

 270.0839, 0.3207,  
0.4903

 4.5936, 0.1317,  
0.8683


 323.4095, 0.3213,

 2.0108, 0.0000,


0.4800


1.0000

383.3292, 0.3217,  
0.4709

 0.6138, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 67.0794, 0.3051,  
0.5959


 67.0794, 0.3051,  
0.5959

 67.0766, 0.3051,  
0.5960

 67.7254, 0.3086,  
0.5865

 68.7037, 0.3120,  
0.5698

 70.0674, 0.3147,  
0.5456

 71.8537, 0.3166,  
0.5157

■ 74.0950, 0.3175,  
0.4824

■ 76.8206, 0.3176,  
0.4481

■ 80.0570, 0.3170,  
0.4146

■ 83.8291, 0.3158,  
0.3831

■ 88.1599, 0.3144,  
0.3544

# Harmonies

## Analogous

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



67.0794, 0.4221, 0.5491



67.0794, 0.3051, 0.5959



67.0794, 0.1954, 0.4961

# Triad

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



67.0794, 0.3051, 0.5959



67.0794, 0.1176, 0.1529



67.0794, 0.5365, 0.2859

# Complementary

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



67.0794, 0.3051, 0.5959



19.3140, 0.2746, 0.1287

# 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.



67.0794, 0.4060, 0.2164



67.0794, 0.3051, 0.5959



67.0794, 0.1672, 0.1443

# Square

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



67.0794, 0.3051, 0.5959



67.0794, 0.1036, 0.2024



67.0794, 0.2638, 0.1663



67.0794, 0.5764, 0.3633



# Rectangle

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



67.0794, 0.3051, 0.5959



67.0794, 0.1429, 0.3746



67.0794, 0.2638, 0.1663



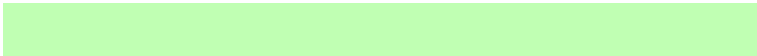
67.0794, 0.5001, 0.2615

# Sweetspot

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



67.0822, 0.3051, 0.5959



86.0098, 0.3170, 0.4151



61.9080, 0.4566, 0.4756



18.0812, 0.3173, 0.4291



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.



67.0822, 0.3051, 0.5959



72.1065, 0.3050, 0.5960



67.0809, 0.2885, 0.5584



18.6165, 0.3143, 0.3533



35.5170, 0.3058, 0.5954



3.1608, 0.3132, 0.5895



# Inverse Universe

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



19.3140, 0.2746, 0.1287



20.7396, 0.2745, 0.1286



22.6404, 0.4230, 0.2104



16.6075, 0.3109, 0.3055



10.2648, 0.2754, 0.1291

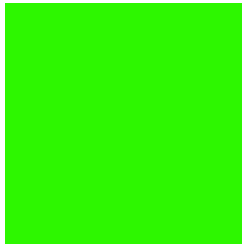


0.9409, 0.2814, 0.1324



# Previews

## White Background



This preview shows how the Yxy color 67.0794, 0.3051, 0.5959 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

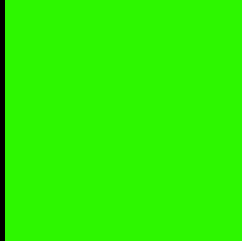
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.0794, 0.3051, 0.5959 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

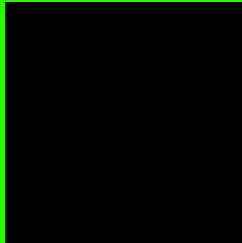
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.0794, 0.3051, 0.5959**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0794, 0.3051, 0.5959.



This preview shows how white text looks on a background with the Yxy color 67.0794, 0.3051, 0.5959.

# 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

67.0794, 0.3051, 0.5959

### Protanopia

65.4377, 0.4410, 0.4880

### Deuteranopia

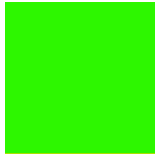
65.2097, 0.4204, 0.4174



## Tritanopia

66.7504, 0.2381, 0.3069

# Trichromacy



## Original Color

67.0794, 0.3051, 0.5959



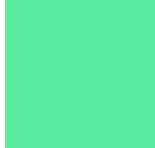
## Protanomaly

62.1753, 0.3746, 0.5407



## Deuteranomaly

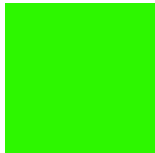
60.7278, 0.3714, 0.4998



## Tritanomaly

64.4858, 0.2723, 0.4379

# Monochromacy



## Original Color

67.0794, 0.3051, 0.5959



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

41.5484, 0.3175, 0.4695

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0794, 0.3051, 0.5959 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(45, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 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(45, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 247, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0794, 0.3051, 0.5959 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(45, 247, 0) }
```

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

```
.border{ border-color:rgb(45, 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(45, 247, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(45, 247, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 67.0794, 0.3051, 0.5959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 247, 0) }
```

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

```
.background{ background-color: rgb(45, 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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