

Converting Colors

$Y_{xy}(71.8410, 0.2936, 0.5768)$

Have a look what the booklet for
Yxy(71.8410, 0.2936, 0.5768)
contains.

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Color

Yxy(71.8422, 0.2937, 0.5771)

Conversions

Conversions Part 1

Format	Color
Hex	01FF3B
RGB	1, 255, 59
RGB Percent	0%, 100%, 23%
CMY	0.9963, 0.0000, 0.7684
CMYK	1.00, 0.00, 0.77, 0.00
HSL	134°, 100%, 50%
HSV	134°, 100%, 100%
XYZ	36.5622, 71.8422, 16.0839
YIQ	156.7100, -88.4680, -114.8040

Conversions

Conversions Part 2

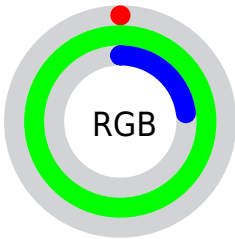
Format	Color
RYB	1, 208, 255
Decimal	130875
CIELab	87.89, -84.18, 73.40
CIELCh	88, 111.684, 138.912
Yxy	71.8422, 0.2937, 0.5771
Android (android.graphics.Color)	4278320955 (0xFF01FF3B)
YUV	156.7100, -48.1710, -136.5577
Hunter-Lab	84.7598, -71.3314, 48.0811

Details

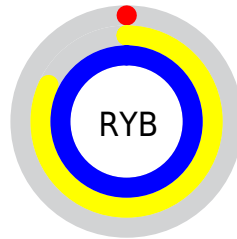
The Yxy color **71.8422, 0.2937, 0.5771** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **25.3058, 0.3901, 0.1924**, and the grayscale version is **33.8231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7980, 0.3042, 0.4997**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.8289, 0.2938, 0.5776**, and if you desaturate by 10%, it is **72.3058, 0.2910, 0.5595**.

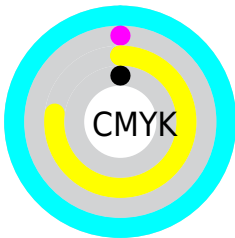
Distribution



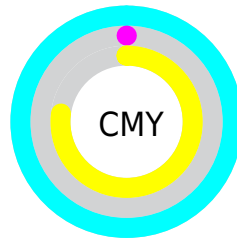
- Red (0%)
- Green (100%)
- Blue (23%)



- Red (0%)
- Yellow (82%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8422, 0.2937, 0.5771 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 71.8422, 0.2937, 0.5771 by changing the saturation by 10% instead.


 71.8422, 0.2937,
0.5771


 71.8422, 0.2937,
0.5771


466.9922, 0.3129,
0.4527


 53.0298, 0.2862,
0.6061


 121.8322, 0.3028,
0.5330

 37.8265, 0.2753,
0.6413


 153.7785, 0.3057,
0.5161


 25.8481, 0.2590,
0.6843


 190.8716, 0.3078,
0.5016

 16.7100, 0.2345,
0.7372

 233.4958, 0.3094,
0.4891

 10.0280, 0.1977,
0.8023

 282.0356, 0.3106,
0.4782

 5.4175, 0.1398,
0.8602


336.8753, 0.3116,

 2.4942, 0.0000,


0.4686


1.0000


398.3994, 0.3123,
0.4602


 0.8738, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.8422, 0.2937,
0.5771


 71.8422, 0.2937,
0.5771

 71.8289, 0.2938,
0.5776


 72.3058, 0.2910,
0.5595


 73.1374, 0.2892,
0.5369


 74.4251, 0.2888,
0.5103


 76.2264, 0.2899,
0.4813

 78.5902, 0.2922,
0.4517

 81.5597, 0.2955,
0.4227

 85.1735, 0.2995,
0.3955

 89.4671, 0.3038,
0.3705

 94.4735, 0.3084,
0.3481

Harmonies

Analogous

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



71.8422, 0.4071, 0.5515



71.8422, 0.2937, 0.5771



71.8422, 0.1903, 0.4647

Triad

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



71.8422, 0.2937, 0.5771



71.8422, 0.1286, 0.1567



71.8422, 0.5360, 0.2987

Complementary

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



71.8422, 0.2937, 0.5771



25.3058, 0.3901, 0.1924

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.



71.8422, 0.4202, 0.2292



71.8422, 0.2937, 0.5771



71.8422, 0.1825, 0.1521

Square

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



71.8422, 0.2937, 0.5771



71.8422, 0.1108, 0.1995



71.8422, 0.2823, 0.1772



71.8422, 0.5632, 0.3758

Rectangle

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



71.8422, 0.2937, 0.5771



71.8422, 0.1431, 0.3518



71.8422, 0.2823, 0.1772



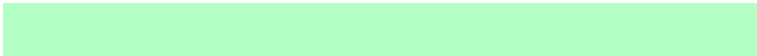
71.8422, 0.5051, 0.2745

Sweetspot

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



71.8423, 0.2937, 0.5771



85.0298, 0.2993, 0.3964



83.7948, 0.3808, 0.5357



17.8586, 0.2976, 0.4077



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.



71.8423, 0.2937, 0.5771



71.8289, 0.2938, 0.5776



74.9455, 0.2515, 0.4253



20.2362, 0.3084, 0.3479



37.5507, 0.2931, 0.5752



3.6720, 0.2874, 0.5547

Inverse Universe

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



25.3058, 0.3901, 0.1924



25.2758, 0.3904, 0.1924



21.7602, 0.5858, 0.3003



18.2251, 0.3173, 0.3109



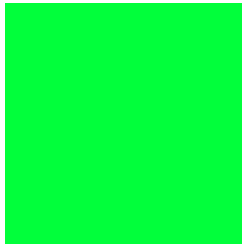
13.2310, 0.3890, 0.1917



1.3048, 0.3796, 0.1865

Previews

White Background



This preview shows how the Yxy color 71.8422, 0.2937, 0.5771 looks on a white background.

Color Contrast Check

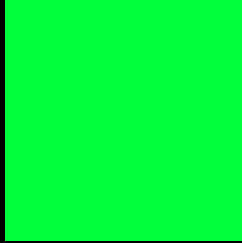
Large Text (above 18pt) WCAG AA × Fail

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 71.8422, 0.2937, 0.5771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

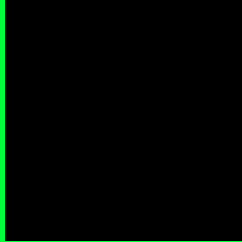
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

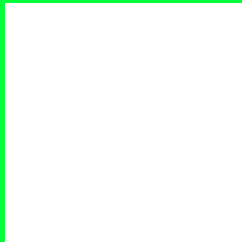
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8422, 0.2937, 0.5771

Background



This preview shows how black text looks on a background with the Yxy color 71.8422, 0.2937, 0.5771.

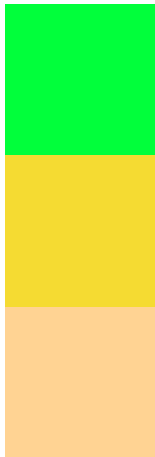


This preview shows how white text looks on a background with the Yxy color 71.8422, 0.2937, 0.5771.

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

71.8422, 0.2937, 0.5771

Protanopia

70.3058, 0.4321, 0.4779

Deuteranopia

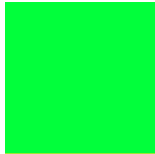
69.9551, 0.3939, 0.3948



Tritanopia

71.4332, 0.2385, 0.3075

Trichromacy



Original Color

71.8422, 0.2937, 0.5771



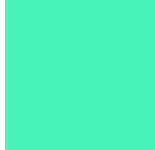
Protanomaly

65.0382, 0.3545, 0.5336



Deuteranomaly

63.9625, 0.3363, 0.4710



Tritanomaly

69.6179, 0.2579, 0.4097

Monochromacy



Original Color

71.8422, 0.2937, 0.5771



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

42.2297, 0.2931, 0.4455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8422, 0.2937, 0.5771 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(1, 255, 59)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 59)  
}
```

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(1, 255, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 59) }
```

Border

The CSS property to change the border of an element to Yxy 71.8422, 0.2937, 0.5771 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(1, 255, 59) }
```

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

```
.border{ border-color:rgb(1, 255, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 255, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 59);  
box-shadow:4px 4px 4px 4px rgb(1, 255, 59)  
}
```


Background

The CSS property to change the background color of an element to Yxy 71.8422, 0.2937, 0.5771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 59) }
```

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

```
.background{ background-color: rgb(1, 255,  
59) }
```

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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