

Converting Colors

$Yxy(72.0883, 0.3288, 0.5771)$

Have a look what the booklet for
Yxy(72.0883, 0.3288, 0.5771)
contains.

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Color

Yxy(71.8819, 0.3290, 0.5769)

Conversions

Conversions Part 1

Format	Color
Hex	71FA00
RGB	113, 250, 0
RGB Percent	44%, 98%, 0%
CMY	0.5570, 0.0196, 0.9984
CMYK	0.55, 0.00, 1.00, 0.02
HSL	93°, 100%, 49%
HSV	93°, 100%, 98%
XYZ	40.9935, 71.8819, 11.7249
YIQ	180.5370, -1.4020, -106.7940

Conversions

Conversions Part 2

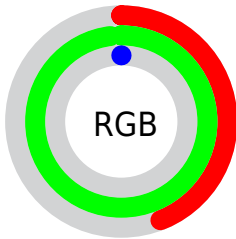
Format	Color
RYB	0, 250, 137
Decimal	7469568
CIELab	87.91, -70.12, 84.01
CIELCh	88, 109.429, 129.853
Yxy	71.8819, 0.3290, 0.5769
Android (android.graphics.Color)	4285659648 (0xFF71FA00)
YUV	180.5370, -89.0047, -59.2299
Hunter-Lab	84.7832, -62.0641, 51.1489

Details

The Yxy color **71.8819, 0.3290, 0.5769** 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 **12.2693, 0.2106, 0.0935**, and the grayscale version is **46.4573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6398, 0.3480, 0.5090**, and **37.9906, 0.3047, 0.5963** is the 20% darker color. If you saturate the color by 10%, you get **71.8689, 0.3289, 0.5770**, and if you desaturate by 10%, it is **72.9361, 0.3345, 0.5664**.

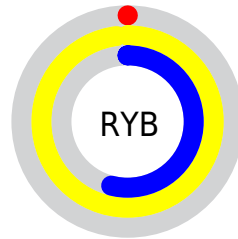
Distribution



Red (44%)

Green (98%)

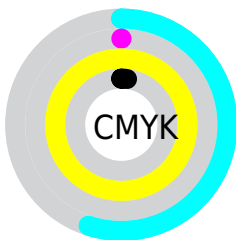
Blue (0%)



Red (0%)

Yellow (98%)

Blue (54%)

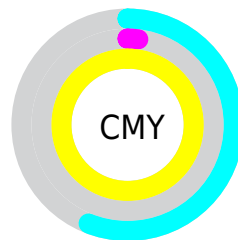


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (56%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8819, 0.3290, 0.5769 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 71.8819, 0.3290, 0.5769 by changing the saturation by 10% instead.


 71.8819, 0.3290,
0.5769

 71.8819, 0.3290,
0.5769


467.1304, 0.3340,
0.4571

 53.0622, 0.3239,
0.6030

 121.8886, 0.3339,
0.5358

 37.8524, 0.3155,
0.6336

 153.8444, 0.3348,
0.5196


 25.8682, 0.3018,
0.6694


 190.9477, 0.3352,
0.5055

 16.7250, 0.2825,
0.7175

 233.5829, 0.3353,
0.4932

 10.0387, 0.2445,
0.7555

 282.1344, 0.3352,
0.4825

 5.4246, 0.1917,
0.8083


 336.9865, 0.3349,

 2.4985, 0.0647,


0.4730

0.9353


398.5237, 0.3345,
0.4646


 0.8759, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 71.8819, 0.3290,
0.5769


 71.8819, 0.3290,
0.5769


 71.8689, 0.3289,
0.5770


 72.9361, 0.3345,
0.5664


 74.2215, 0.3385,
0.5503


 75.7738, 0.3405,
0.5285


 77.6149, 0.3404,
0.5020

 79.7637, 0.3383,
0.4725

 82.2371, 0.3347,
0.4417

 85.0508, 0.3300,
0.4110

 88.2191, 0.3245,
0.3815

 91.7555, 0.3186,
0.3539

Harmonies

Analogous

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



71.8819, 0.4390, 0.5250



71.8819, 0.3290, 0.5769



71.8819, 0.2207, 0.5073

Triad

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



71.8819, 0.3290, 0.5769



71.8819, 0.1223, 0.1675



71.8819, 0.5047, 0.2780

Complementary

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



71.8819, 0.3290, 0.5769



12.2693, 0.2106, 0.0935

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.



71.8819, 0.3760, 0.2129



71.8819, 0.3290, 0.5769



71.8819, 0.1641, 0.1527

Square

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



71.8819, 0.3290, 0.5769



71.8819, 0.1147, 0.2251



71.8819, 0.2483, 0.1689



71.8819, 0.5610, 0.3524

Rectangle

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



71.8819, 0.3290, 0.5769



71.8819, 0.1645, 0.4010



71.8819, 0.2483, 0.1689



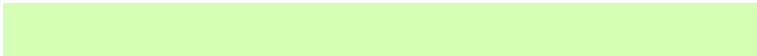
71.8819, 0.4665, 0.2548

Sweetspot

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



71.8850, 0.3290, 0.5769



88.8998, 0.3301, 0.4116



37.2474, 0.5332, 0.4147



18.7535, 0.3322, 0.4245



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.



71.8850, 0.3290, 0.5769



75.1636, 0.3288, 0.5771



68.3979, 0.2996, 0.5985



19.6924, 0.3184, 0.3530



38.2016, 0.3301, 0.5761



3.6001, 0.3393, 0.5688

Inverse Universe

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



12.2693, 0.2106, 0.0935



12.7970, 0.2104, 0.0933



26.7265, 0.3296, 0.1590



17.1127, 0.3066, 0.3051



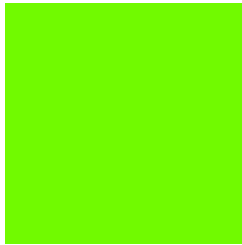
6.5811, 0.2121, 0.0942



0.6725, 0.2244, 0.1010

Previews

White Background



This preview shows how the Yxy color 71.8819, 0.3290, 0.5769 looks on a white background.

Color Contrast Check

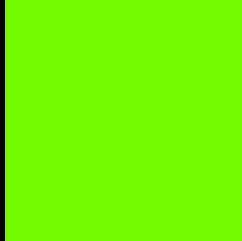
Large Text (above 18pt) WCAG AA × Fail

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 71.8819, 0.3290, 0.5769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

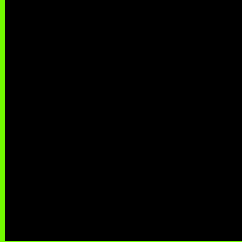
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

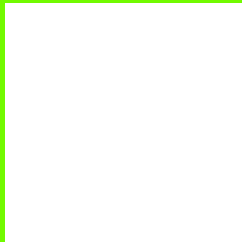
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8819, 0.3290, 0.5769

Background



This preview shows how black text looks on a background with the Yxy color 71.8819, 0.3290, 0.5769.



This preview shows how white text looks on a background with the Yxy color 71.8819, 0.3290, 0.5769.

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

71.8819, 0.3290, 0.5769

Protanopia

70.4372, 0.4412, 0.4879

Deuteranopia

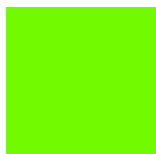
70.4536, 0.3935, 0.3958



Tritanopia

71.1623, 0.2537, 0.3069

Trichromacy



Original Color

71.8819, 0.3290, 0.5769



Protanomaly

68.5994, 0.3947, 0.5248



Deuteranomaly

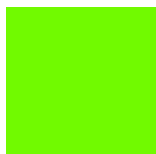
67.8974, 0.3776, 0.4761



Tritanomaly

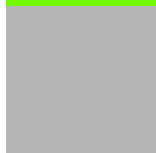
69.5894, 0.2947, 0.4314

Monochromacy



Original Color

71.8819, 0.3290, 0.5769



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

52.4483, 0.3362, 0.4536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8819, 0.3290, 0.5769 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(113, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 250, 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(113, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 71.8819, 0.3290, 0.5769 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(113, 250, 0) }
```

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

```
.border{ border-color:rgb(113, 250, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 250,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8819, 0.3290, 0.5769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 250, 0) }
```

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

```
.background{ background-color: rgb(113,  
250, 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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