

Converting Colors

$Y_{xy}(71.3740, 0.3201, 0.5841)$

Have a look what the booklet for
Yxy(71.3740, 0.3201, 0.5841)
contains.

| | |
|---|----|
| Yxy(71.3740, 0.3201, 0.5841) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(71.3740, 0.3201, 0.5841)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 5EFB00 |
| RGB | 94, 251, 0 |
| RGB Percent | 37%, 98%, 0% |
| CMY | 0.6312, 0.0157, 1.0000 |
| CMYK | 0.63, 0.00, 1.00, 0.02 |
| HSL | 98°, 100%, 49% |
| HSV | 98°, 100%, 98% |
| XYZ | 39.1146, 71.3740, 11.7063 |
| YIQ | 175.4430, -13.0010, -111.3450 |

Conversions

Conversions Part 2

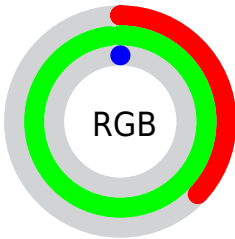
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 251, 157 |
| Decimal | 6224640 |
| CIELab | 87.67, -74.93, 83.63 |
| CIELCh | 88, 112.290, 131.857 |
| Yxy | 71.3740, 0.3201, 0.5841 |
| Android (android.graphics.Color) | 4284414720 (0xFF5EFB00) |
| YUV | 175.4430, -86.4934, -71.4255 |
| Hunter-Lab | 84.4831, -65.2024, 50.9228 |

Details

The Yxy color **71.3740, 0.3201, 0.5841** 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 **14.1301, 0.2272, 0.1025**, and the grayscale version is **43.5811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8698, 0.3379, 0.5152**, and **38.1399, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.3776, 0.3201, 0.5841**, and if you desaturate by 10%, it is **72.3645, 0.3255, 0.5736**.

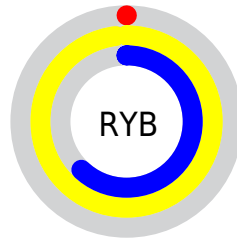
Distribution



Red (37%)

Green (98%)

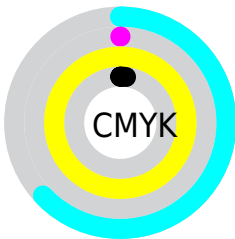
Blue (0%)



Red (0%)

Yellow (98%)

Blue (62%)

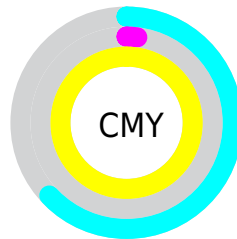


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (63%)


Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3740, 0.3201, 0.5841 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 71.3740, 0.3201, 0.5841 by changing the saturation by 10% instead.


 71.3740, 0.3201,
0.5841


 71.3740, 0.3201,
0.5841


465.3598, 0.3295,
0.4597

 52.6475, 0.3139,
0.6115


 121.1661, 0.3265,
0.5412

 37.5214, 0.3042,
0.6438


 153.0005, 0.3281,
0.5243


 25.6115, 0.2889,
0.6815


 189.9729, 0.3290,
0.5097

 16.5332, 0.2675,
0.7325

 232.4678, 0.3295,
0.4970

 9.9022, 0.2270,
0.7730

 280.8695, 0.3298,
0.4859

 5.3342, 0.1717,
0.8283

 335.5625, 0.3298,

 2.4446, 0.0120,

0.4761

0.9880

396.9311, 0.3297,
0.4675

 0.8487, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.3740, 0.3201,
0.5841

 71.3740, 0.3201,
0.5841


 71.3776, 0.3201,
0.5841

 72.3645, 0.3255,
0.5736


 73.6204, 0.3299,
0.5570


 75.1819, 0.3325,
0.5343


 77.0742, 0.3332,
0.5066

 79.3191, 0.3322,
0.4760

 81.9363, 0.3298,
0.4441

 84.9439, 0.3263,
0.4125

 88.3586, 0.3221,
0.3824

 92.1960, 0.3175,
0.3545

Harmonies

Analogous

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



71.3740, 0.4329, 0.5339



71.3740, 0.3201, 0.5841



71.3740, 0.2111, 0.5036

Triad

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



71.3740, 0.3201, 0.5841



71.3740, 0.1205, 0.1618



71.3740, 0.5167, 0.2811

Complementary

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



71.3740, 0.3201, 0.5841



14.1301, 0.2272, 0.1025

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.



71.3740, 0.3871, 0.2142



71.3740, 0.3201, 0.5841



71.3740, 0.1652, 0.1495

Square

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



71.3740, 0.3201, 0.5841



71.3740, 0.1104, 0.2163



71.3740, 0.2540, 0.1679



71.3740, 0.5672, 0.3567

Rectangle

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



71.3740, 0.3201, 0.5841



71.3740, 0.1562, 0.3913



71.3740, 0.2540, 0.1679



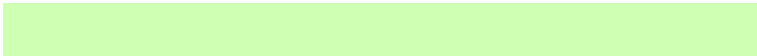
71.3740, 0.4791, 0.2574

Sweetspot

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



71.3776, 0.3201, 0.5841



88.0429, 0.3263, 0.4126



43.8810, 0.5091, 0.4340



18.5525, 0.3279, 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.



71.3776, 0.3201, 0.5841



73.9815, 0.3200, 0.5841



69.0862, 0.2981, 0.5930



19.6259, 0.3172, 0.3531



37.5943, 0.3212, 0.5831



3.5402, 0.3304, 0.5759

Inverse Universe

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



14.1301, 0.2272, 0.1025



14.6389, 0.2272, 0.1025



25.7686, 0.3534, 0.1720



17.1807, 0.3078, 0.3052



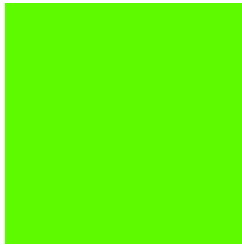
7.5131, 0.2287, 0.1034



0.7563, 0.2396, 0.1094

Previews

White Background



This preview shows how the Yxy color 71.3740, 0.3201, 0.5841 looks on a white background.

Color Contrast Check

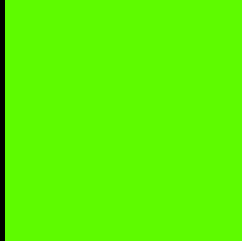
Large Text (above 18pt) WCAG AA × Fail

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 71.3740, 0.3201, 0.5841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

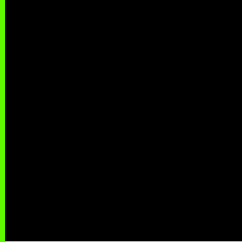
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

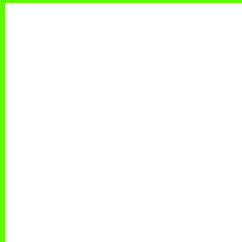
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.3740, 0.3201, 0.5841

Background



This preview shows how black text looks on a background with the Yxy color 71.3740, 0.3201, 0.5841.



This preview shows how white text looks on a background with the Yxy color 71.3740, 0.3201, 0.5841.

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

71.3740, 0.3201, 0.5841

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

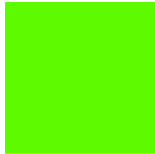
69.8317, 0.3968, 0.3987



Tritanopia

70.6245, 0.2475, 0.3066

Trichromacy



Original Color

71.3740, 0.3201, 0.5841



Protanomaly

67.6700, 0.3893, 0.5291



Deuteranomaly

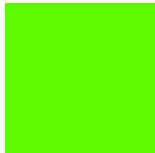
66.8838, 0.3735, 0.4818



Tritanomaly

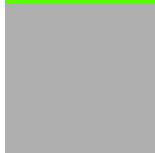
68.9232, 0.2864, 0.4349

Monochromacy



Original Color

71.3740, 0.3201, 0.5841



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

49.9706, 0.3315, 0.4592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3740, 0.3201, 0.5841 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(94, 251, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 251, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 251, 0) }
```

Border

The CSS property to change the border of an element to Yxy 71.3740, 0.3201, 0.5841 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(94, 251, 0) }
```

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

```
.border{ border-color:rgb(94, 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(94, 251, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 251, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 251, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 251, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 71.3740, 0.3201, 0.5841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 251, 0) }
```

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

```
.background{ background-color: rgb(94, 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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