

Converting Colors

$Y_{xy}(70.7064, 0.3070, 0.5945)$

Have a look what the booklet for
Yxy(70.7064, 0.3070, 0.5945)
contains.

Yxy(70.4330, 0.3071, 0.5944)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.4330, 0.3071, 0.5944)

Conversions

Conversions Part 1

Format	Color
Hex	37FC00
RGB	55, 252, 0
RGB Percent	22%, 99%, 0%
CMY	0.7839, 0.0118, 1.0000
CMYK	0.78, 0.00, 1.00, 0.01
HSL	107°, 100%, 49%
HSV	107°, 100%, 99%
XYZ	36.3896, 70.4330, 11.6717
YIQ	164.3690, -36.5200, -120.1360

Conversions

Conversions Part 2

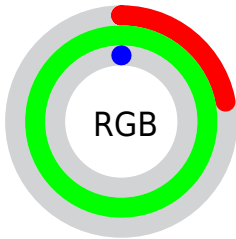
Format	Color
RYB	0, 252, 197
Decimal	3668992
CIELab	87.21, -81.80, 82.94
CIElCh	87, 116.492, 134.604
Yxy	70.4330, 0.3071, 0.5944
Android (android.graphics.Color)	4281859072 (0xFF37FC00)
YUV	164.3690, -81.0339, -95.9166
Hunter-Lab	83.9244, -69.4701, 50.5014

Details

The Yxy color **70.4330, 0.3071, 0.5944** 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 **18.8839, 0.2651, 0.1234**, and the grayscale version is **37.7337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5269, 0.3234, 0.5240**, and **38.5836, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **70.4363, 0.3071, 0.5944**, and if you desaturate by 10%, it is **71.1797, 0.3111, 0.5847**.

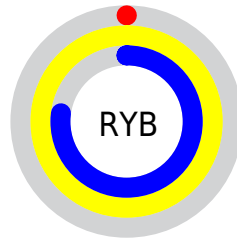
Distribution



Red (22%)

Green (99%)

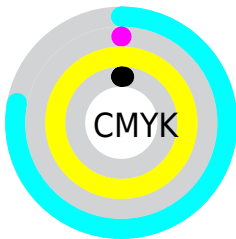
Blue (0%)



Red (0%)

Yellow (99%)

Blue (77%)

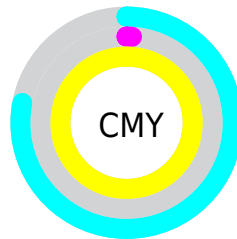


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (78%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4330, 0.3071, 0.5944 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 70.4330, 0.3071, 0.5944 by changing the saturation by 10% instead.


 70.4330, 0.3071,
0.5944

 70.4330, 0.3071,
0.5944


462.0689, 0.3229,
0.4633

 51.8796, 0.2994,
0.6236


 119.8260, 0.3158,
0.5488

 36.9091, 0.2878,
0.6584


 151.4345, 0.3183,
0.5310

 25.1371, 0.2701,
0.6992


 188.1634, 0.3199,
0.5156

 16.1793, 0.2457,
0.7543

 230.3972, 0.3211,
0.5023

 9.6511, 0.2020,
0.7980

 278.5202, 0.3219,
0.4907

 5.1682, 0.1436,
0.8564

 332.9169, 0.3224,

 2.3463, 0.0000,

0.4805

1.0000

393.9717, 0.3227,
0.4714

■ 0.7981, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.4330, 0.3071,
0.5944

■ 70.4330, 0.3071,
0.5944


■ 70.4363, 0.3071,
0.5944

■ 71.1797, 0.3111,
0.5847


■ 72.2602, 0.3149,
0.5680


■ 73.7265, 0.3178,
0.5440


■ 75.6139, 0.3196,
0.5145

 77.9537, 0.3202,
0.4817

 80.7739, 0.3199,
0.4478

 84.1001, 0.3187,
0.4146

 87.9560, 0.3170,
0.3833

 92.3639, 0.3150,
0.3547

Harmonies

Analogous

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



70.4330, 0.4236, 0.5471



70.4330, 0.3071, 0.5944



70.4330, 0.1974, 0.4972

Triad

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



70.4330, 0.3071, 0.5944



70.4330, 0.1180, 0.1541



70.4330, 0.5339, 0.2853

Complementary

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



70.4330, 0.3071, 0.5944



18.8839, 0.2651, 0.1234

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.



70.4330, 0.4035, 0.2161



70.4330, 0.3071, 0.5944



70.4330, 0.1669, 0.1450

Square

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



70.4330, 0.3071, 0.5944



70.4330, 0.1045, 0.2042



70.4330, 0.2625, 0.1664



70.4330, 0.5753, 0.3624

Rectangle

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



70.4330, 0.3071, 0.5944



70.4330, 0.1446, 0.3769



70.4330, 0.2625, 0.1664



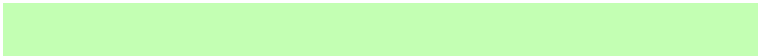
70.4330, 0.4974, 0.2610

Sweetspot

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



70.4363, 0.3071, 0.5944



86.3872, 0.3187, 0.4146



58.9240, 0.4687, 0.4660



18.1680, 0.3193, 0.4285



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.



70.4363, 0.3071, 0.5944



72.3540, 0.3071, 0.5944



70.0286, 0.2917, 0.5701



19.4922, 0.3149, 0.3533



36.7432, 0.3079, 0.5937



3.4474, 0.3155, 0.5877

Inverse Universe

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



18.8839, 0.2651, 0.1234



19.3942, 0.2650, 0.1234



24.1898, 0.4041, 0.2000



17.3219, 0.3103, 0.3054



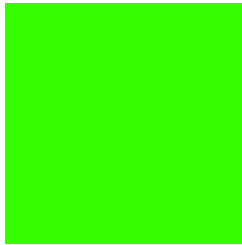
9.9043, 0.2660, 0.1239



0.9630, 0.2729, 0.1277

Previews

White Background



This preview shows how the Yxy color 70.4330, 0.3071, 0.5944 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 70.4330, 0.3071, 0.5944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

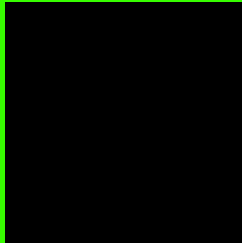
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4330, 0.3071, 0.5944

Background



This preview shows how black text looks on a background with the Yxy color 70.4330, 0.3071, 0.5944.



This preview shows how white text looks on a background with the Yxy color 70.4330, 0.3071, 0.5944.

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

70.4330, 0.3071, 0.5944

Protanopia

68.8588, 0.4406, 0.4884

Deuteranopia

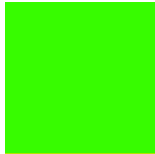
68.6671, 0.4020, 0.4027



Tritanopia

69.7194, 0.2393, 0.3062

Trichromacy



Original Color

70.4330, 0.3071, 0.5944



Protanomaly

65.7076, 0.3770, 0.5388



Deuteranomaly

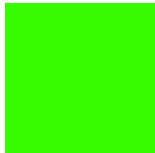
64.4836, 0.3649, 0.4909



Tritanomaly

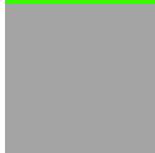
67.8635, 0.2743, 0.4380

Monochromacy



Original Color

70.4330, 0.3071, 0.5944



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

44.7644, 0.3201, 0.4690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4330, 0.3071, 0.5944 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(55, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(55, 252, 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(55, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 252, 0) }
```

Border

The CSS property to change the border of an element to Yxy 70.4330, 0.3071, 0.5944 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(55, 252, 0) }
```

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

```
.border{ border-color:rgb(55, 252, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 252, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(55, 252, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 70.4330, 0.3071, 0.5944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 252, 0) }
```

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

```
.background{ background-color: rgb(55, 252,  
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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