

Converting Colors

$Y_{xy}(71.6077, 0.3001, 0.5979)$

Have a look what the booklet for
Yxy(71.6077, 0.3001, 0.5979)
contains.

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Color

Yxy(71.6064, 0.3001, 0.5979)

Conversions

Conversions Part 1

Format	Color
Hex	0AFF0A
RGB	10, 255, 10
RGB Percent	4%, 100%, 4%
CMY	0.9605, 0.0000, 0.9604
CMYK	0.96, 0.00, 0.96, 0.00
HSL	120°, 100%, 52%
HSV	120°, 96%, 100%
XYZ	35.9409, 71.6064, 12.2158
YIQ	153.8150, -67.3750, -128.1350

Conversions

Conversions Part 2

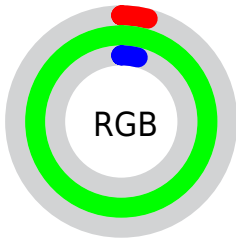
Format	Color
RYB	10, 255, 255
Decimal	720650
CIELab	87.78, -85.76, 82.47
CIELCh	88, 118.976, 136.120
Yxy	71.6064, 0.3001, 0.5979
Android (android.graphics.Color)	4278910730 (0xFF0AFF0A)
YUV	153.8150, -70.9008, -126.1258
Hunter-Lab	84.6206, -72.2716, 50.6753

Details

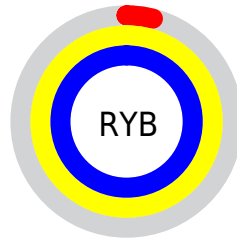
The Yxy color **71.6064, 0.3001, 0.5979** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **28.6981, 0.3209, 0.1550**, and the grayscale version is **32.5848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3931, 0.3150, 0.5269**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.5200, 0.3000, 0.6000**, and if you desaturate by 10%, it is **72.0125, 0.3005, 0.5884**.

Distribution



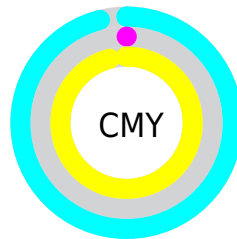
- Red (4%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)




- Cyan (96%)
- Magenta (0%)
- Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6064, 0.3001, 0.5979 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 71.6064, 0.3001, 0.5979 by changing the saturation by 10% instead.


 71.6064, 0.3001,
0.5979

 71.6064, 0.3001,
0.5979


466.1705, 0.3191,
0.4647


 52.8372, 0.2918,
0.6278


 121.4968, 0.3098,
0.5515


 37.6728, 0.2796,
0.6634


 153.3867, 0.3127,
0.5333


 25.7289, 0.2612,
0.7054


 190.4191, 0.3148,
0.5177

 16.6209, 0.2364,
0.7636

 232.9782, 0.3163,
0.5042

 9.9646, 0.1921,
0.8079

 281.4485, 0.3173,
0.4924

 5.3755, 0.1337,
0.8663


 336.2144, 0.3181,

 2.4692, 0.0000,


0.4820


1.0000


397.6603, 0.3187,
0.4729


 0.8612, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.6064, 0.3001,
0.5979


 71.6064, 0.3001,
0.5979


 71.5200, 0.3000,
0.6000

 72.0125, 0.3005,
0.5884


 72.8526, 0.3014,
0.5698

 74.2076, 0.3027,
0.5431

 76.1419, 0.3042,
0.5104

 78.7107, 0.3059,
0.4746

 81.9625, 0.3076,
0.4384

 85.9414, 0.3092,
0.4039

 90.6877, 0.3107,
0.3724

 96.2385, 0.3120,
0.3443

Harmonies

Analogous

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



71.6064, 0.4180, 0.5536



71.6064, 0.3001, 0.5979



71.6064, 0.1907, 0.4915

Triad

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



71.6064, 0.3001, 0.5979



71.6064, 0.1176, 0.1508



71.6064, 0.5419, 0.2881

Complementary

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



71.6064, 0.3001, 0.5979



28.6981, 0.3209, 0.1550

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.



71.6064, 0.4124, 0.2178



71.6064, 0.3001, 0.5979



71.6064, 0.1689, 0.1435

Square

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



71.6064, 0.3001, 0.5979



71.6064, 0.1023, 0.1984



71.6064, 0.2679, 0.1666



71.6064, 0.5778, 0.3659

Rectangle

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



71.6064, 0.3001, 0.5979



71.6064, 0.1393, 0.3683



71.6064, 0.2679, 0.1666



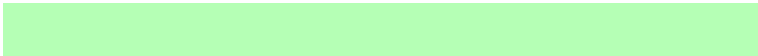
71.6064, 0.5064, 0.2635

Sweetspot

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



71.6072, 0.3001, 0.5979



84.6882, 0.3087, 0.4139



92.8021, 0.4188, 0.5044



17.7642, 0.3080, 0.4286



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.



71.6072, 0.3001, 0.5979



71.5200, 0.3000, 0.6000



73.2658, 0.2720, 0.4970



20.1682, 0.3116, 0.3536



37.3708, 0.3000, 0.6000



3.6387, 0.3000, 0.6000

Inverse Universe

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



28.6981, 0.3209, 0.1550



28.4792, 0.3209, 0.1542



23.1596, 0.4908, 0.2496



18.3004, 0.3138, 0.3056



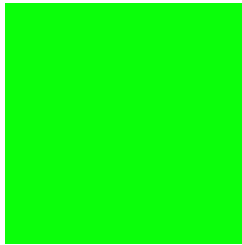
14.8810, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 71.6064, 0.3001, 0.5979 looks on a white background.

Color Contrast Check

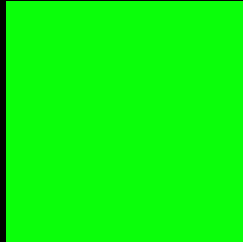
Large Text (above 18pt) WCAG AA × Fail

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 71.6064, 0.3001, 0.5979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

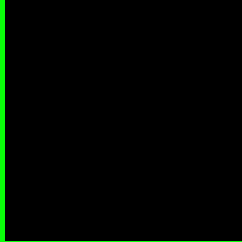
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

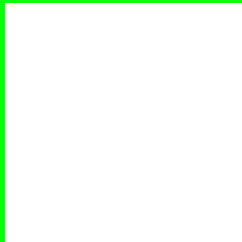
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.6064, 0.3001, 0.5979

Background



This preview shows how black text looks on a background with the Yxy color 71.6064, 0.3001, 0.5979.



This preview shows how white text looks on a background with the Yxy color 71.6064, 0.3001, 0.5979.

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

71.6064, 0.3001, 0.5979

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

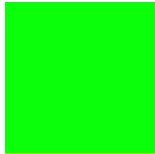
69.8317, 0.3968, 0.3987



Tritanopia

70.7216, 0.2375, 0.3062

Trichromacy



Original Color

71.6064, 0.3001, 0.5979



Protanomaly

64.6342, 0.3651, 0.5475



Deuteranomaly

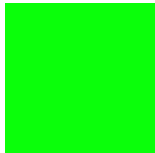
63.8714, 0.3484, 0.4917



Tritanomaly

68.3909, 0.2663, 0.4346

Monochromacy



Original Color

71.6064, 0.3001, 0.5979



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

41.0457, 0.3059, 0.4737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6064, 0.3001, 0.5979 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(10, 255, 10)` looks like.

```
.text, #text, p{  
    color:rgb(10, 255, 10)  
}
```

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(10, 255, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 255, 10) }
```

Border

The CSS property to change the border of an element to Yxy 71.6064, 0.3001, 0.5979 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(10, 255, 10) }
```

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

```
.border{ border-color:rgb(10, 255, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 255, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 255, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 255, 10);  
box-shadow:4px 4px 4px 4px rgb(10, 255,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6064, 0.3001, 0.5979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 255, 10) }
```

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

```
.background{ background-color: rgb(10, 255,  
10) }
```

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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