

Converting Colors

Yxy(71.5684, 0.2996, 0.5977)

Have a look what the booklet for
Yxy(71.5684, 0.2996, 0.5977)
contains.

Yxy(71.5749, 0.2996, 0.5976)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.5749, 0.2996, 0.5976)

Conversions

Conversions Part 1

Format	Color
Hex	04FF0D
RGB	4, 255, 13
RGB Percent	2%, 100%, 5%
CMY	0.9846, 0.0000, 0.9480
CMYK	0.98, 0.00, 0.95, 0.00
HSL	122°, 100%, 51%
HSV	122°, 98%, 100%
XYZ	35.8833, 71.5749, 12.3124
YIQ	152.3630, -71.9140, -128.4740

Conversions

Conversions Part 2

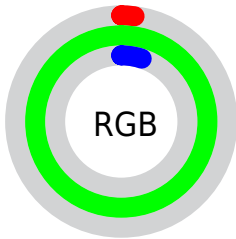
Format	Color
R_{YB}	4, 246, 255
Decimal	327437
CIE _{Lab}	87.76, -85.88, 82.19
CIE _{LCh}	88, 118.874, 136.260
Yxy	71.5749, 0.2996, 0.5976
Android (android.graphics.Color)	4278517517 (0xFF04FF0D)
YUV	152.3630, -68.7060, -130.1144
Hunter-Lab	84.6020, -72.3440, 50.5927

Details

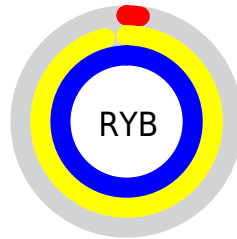
The Yxy color **71.5749, 0.2996, 0.5976** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **27.9795, 0.3304, 0.1598**, and the grayscale version is **31.8951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3393, 0.3141, 0.5262**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.5407, 0.2996, 0.5984**, and if you desaturate by 10%, it is **71.9263, 0.2994, 0.5880**.

Distribution



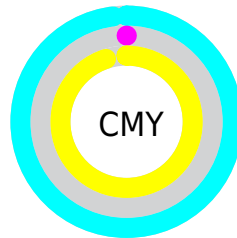
- Red (2%)
- Green (100%)
- Blue (5%)



- Red (2%)
- Yellow (96%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)





- Cyan (98%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5749, 0.2996, 0.5976 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 71.5749, 0.2996, 0.5976 by changing the saturation by 10% instead.


 71.5749, 0.2996,
0.5976

 71.5749, 0.2996,
0.5976


466.0606, 0.3188,
0.4645

 52.8115, 0.2913,
0.6275


 121.4520, 0.3094,
0.5511


 37.6523, 0.2790,
0.6632


 153.3344, 0.3123,
0.5330


 25.7129, 0.2607,
0.7053

 190.3586, 0.3143,
0.5174

 16.6090, 0.2359,
0.7636

 232.9091, 0.3158,
0.5039

 9.9561, 0.1916,
0.8084

 281.3701, 0.3170,
0.4921

 5.3699, 0.1331,
0.8669


 336.1261, 0.3178,


 2.4659, 0.0000,


0.4818

1.0000


397.5615, 0.3184,
0.4726


 0.8595, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.5749, 0.2996,
0.5976


 71.5749, 0.2996,
0.5976


 71.5407, 0.2996,
0.5984

 71.9263, 0.2994,
0.5880


 72.6821, 0.2997,
0.5700


 73.9312, 0.3004,
0.5441


 75.7382, 0.3018,
0.5125

 78.1582, 0.3035,
0.4779

 81.2397, 0.3054,
0.4426

 85.0262, 0.3074,
0.4089

 89.5576, 0.3094,
0.3777

 94.8708, 0.3112,
0.3499

Harmonies

Analogous

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



71.5749, 0.4175, 0.5539



71.5749, 0.2996, 0.5976



71.5749, 0.1903, 0.4906

Triad

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



71.5749, 0.2996, 0.5976



71.5749, 0.1178, 0.1508



71.5749, 0.5422, 0.2885

Complementary

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



71.5749, 0.2996, 0.5976



27.9795, 0.3304, 0.1598

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.



71.5749, 0.4131, 0.2182



71.5749, 0.2996, 0.5976



71.5749, 0.1693, 0.1436

Square

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



71.5749, 0.2996, 0.5976



71.5749, 0.1024, 0.1981



71.5749, 0.2686, 0.1668



71.5749, 0.5776, 0.3663

Rectangle

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



71.5749, 0.2996, 0.5976



71.5749, 0.1391, 0.3674



71.5749, 0.2686, 0.1668



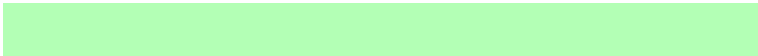
71.5749, 0.5068, 0.2639

Sweetspot

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



71.5751, 0.2996, 0.5976



84.3944, 0.3071, 0.4139



91.2358, 0.4133, 0.5095



17.7134, 0.3062, 0.4280



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.



71.5751, 0.2996, 0.5976



71.5407, 0.2996, 0.5984



73.3756, 0.2696, 0.4899



20.1791, 0.3111, 0.3526



37.3863, 0.2994, 0.5978



3.6438, 0.2979, 0.5924

Inverse Universe

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



27.9795, 0.3304, 0.1598



27.8852, 0.3306, 0.1595



22.7283, 0.5106, 0.2594



18.2880, 0.3144, 0.3064



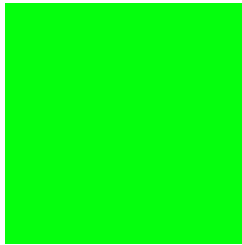
14.5758, 0.3304, 0.1594



1.4227, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 71.5749, 0.2996, 0.5976 looks on a white background.

Color Contrast Check

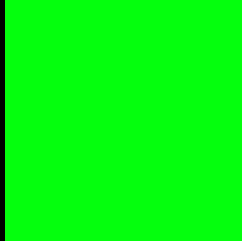
Large Text (above 18pt) WCAG AA × Fail

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 71.5749, 0.2996, 0.5976 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

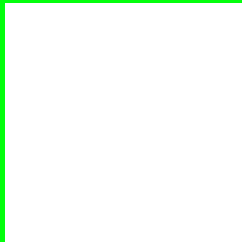
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.5749, 0.2996, 0.5976

Background



This preview shows how black text looks on a background with the Yxy color 71.5749, 0.2996, 0.5976.



This preview shows how white text looks on a background with the Yxy color 71.5749, 0.2996, 0.5976.

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

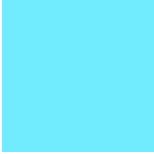
71.5749, 0.2996, 0.5976

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

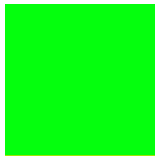
69.8317, 0.3968, 0.3987



Tritanopia

70.7216, 0.2375, 0.3062

Trichromacy



Original Color

71.5749, 0.2996, 0.5976



Protanomaly

64.4319, 0.3635, 0.5485



Deuteranomaly

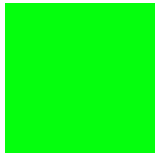
63.6752, 0.3465, 0.4915



Tritanomaly

68.3077, 0.2650, 0.4334

Monochromacy



Original Color

71.5749, 0.2996, 0.5976



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

39.9512, 0.3033, 0.4727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5749, 0.2996, 0.5976 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(4, 255, 13)` looks like.

```
.text, #text, p{  
    color:rgb(4, 255, 13)  
}
```

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(4, 255, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 255, 13) }
```

Border

The CSS property to change the border of an element to Yxy 71.5749, 0.2996, 0.5976 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(4, 255, 13) }
```

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

```
.border{ border-color:rgb(4, 255, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 255, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 255, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 255, 13);  
box-shadow:4px 4px 4px 4px rgb(4, 255, 13)  
}
```


Background

The CSS property to change the background color of an element to Yxy 71.5749, 0.2996, 0.5976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 255, 13) }
```

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

```
.background{ background-color: rgb(4, 255,  
13) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor