

Converting Colors

$Y_{xy}(71.6374, 0.2976, 0.5913)$

Have a look what the booklet for
Yxy(71.6374, 0.2976, 0.5913)
contains.

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Color

Yxy(71.6355, 0.2976, 0.5914)

Conversions

Conversions Part 1

Format	Color
Hex	00FF22
RGB	0, 255, 34
RGB Percent	0%, 100%, 13%
CMY	1.0000, 0.0000, 0.8664
CMYK	1.00, 0.00, 0.87, 0.00
HSL	128°, 100%, 50%
HSV	128°, 100%, 100%
XYZ	36.0479, 71.6355, 13.4453
YIQ	153.5610, -81.0390, -122.7910

Conversions

Conversions Part 2

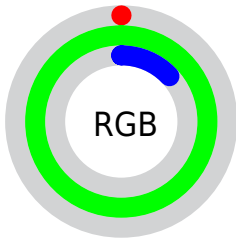
Format	Color
RYB	0, 225, 255
Decimal	65314
CIELab	87.79, -85.46, 79.36
CIELCh	88, 116.624, 137.120
Yxy	71.6355, 0.2976, 0.5914
Android (android.graphics.Color)	4278255394 (0xFF00FF22)
YUV	153.5610, -58.9436, -134.6730
Hunter-Lab	84.6378, -72.0915, 49.8278

Details

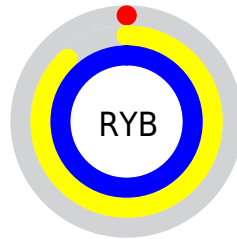
The Yxy color **71.6355, 0.2976, 0.5914** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **26.4763, 0.3586, 0.1749**, and the grayscale version is **32.4061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4212, 0.3108, 0.5184**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6359, 0.2976, 0.5914**, and if you desaturate by 10%, it is **72.0203, 0.2960, 0.5779**.

Distribution



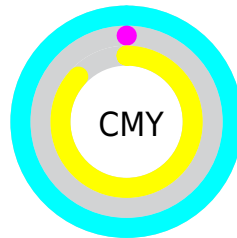
- Red (0%)
- Green (100%)
- Blue (13%)



- Red (0%)
- Yellow (88%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6355, 0.2976, 0.5914 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 71.6355, 0.2976, 0.5914 by changing the saturation by 10% instead.

 71.6355, 0.2976,
0.5914


 71.6355, 0.2976,
0.5914

466.2719, 0.3168,
0.4608

 52.8610, 0.2895,
0.6211


 121.5382, 0.3072,
0.5456

 37.6918, 0.2777,
0.6568


 153.4351, 0.3100,
0.5278


 25.7436, 0.2600,
0.6994


 190.4750, 0.3121,
0.5125

 16.6319, 0.2350,
0.7553

 233.0421, 0.3137,
0.4993

 9.9724, 0.1931,
0.8069

 281.5210, 0.3148,
0.4878

 5.3807, 0.1348,
0.8652

336.2960, 0.3157,

 2.4723, 0.0000,

0.4777

1.0000

397.7515, 0.3163,
0.4687

■ 0.8627, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 71.6355, 0.2976,
0.5914

■ 71.6355, 0.2976,
0.5914


■ 71.6359, 0.2976,
0.5914

■ 72.0203, 0.2960,
0.5779


■ 72.7776, 0.2950,
0.5574


■ 74.0040, 0.2949,
0.5310


■ 75.7610, 0.2958,
0.5005

 78.1007, 0.2977,
0.4682

 81.0687, 0.3002,
0.4359

 84.7064, 0.3032,
0.4051

 89.0513, 0.3063,
0.3768

 94.1383, 0.3096,
0.3514

Harmonies

Analogous

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



71.6355, 0.4141, 0.5536



71.6355, 0.2976, 0.5914



71.6355, 0.1901, 0.4821

Triad

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



71.6355, 0.2976, 0.5914



71.6355, 0.1211, 0.1525



71.6355, 0.5405, 0.2918

Complementary

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



71.6355, 0.2976, 0.5914



26.4763, 0.3586, 0.1749

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.



71.6355, 0.4157, 0.2217



71.6355, 0.2976, 0.5914



71.6355, 0.1735, 0.1462

Square

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



71.6355, 0.2976, 0.5914



71.6355, 0.1049, 0.1984



71.6355, 0.2731, 0.1701



71.6355, 0.5732, 0.3695

Rectangle

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



71.6355, 0.2976, 0.5914



71.6355, 0.1402, 0.3621



71.6355, 0.2731, 0.1701



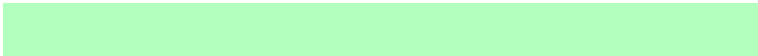
71.6355, 0.5066, 0.2673

Sweetspot

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



71.6359, 0.2976, 0.5914



84.7064, 0.3032, 0.4051



86.8922, 0.3956, 0.5241



17.7844, 0.3019, 0.4178



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.



71.6359, 0.2976, 0.5914



74.1109, 0.2601, 0.4564



20.2077, 0.3097, 0.3502



37.4434, 0.2971, 0.5897



3.6573, 0.2927, 0.5736

Inverse Universe

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



26.4763, 0.3586, 0.1749



22.0592, 0.5561, 0.2837



18.2561, 0.3159, 0.3087



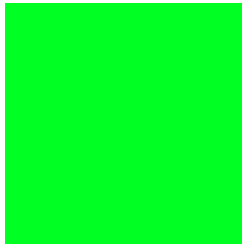
13.8507, 0.3579, 0.1745



1.3597, 0.3531, 0.1719

Previews

White Background



This preview shows how the Yxy color 71.6355, 0.2976, 0.5914 looks on a white background.

Color Contrast Check

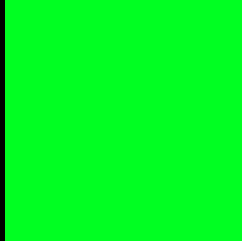
Large Text (above 18pt) WCAG AA × Fail

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 71.6355, 0.2976, 0.5914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

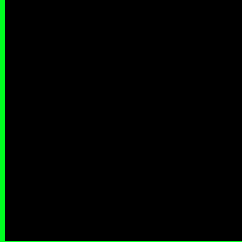
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

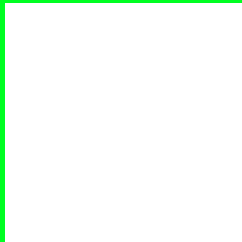
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.6355, 0.2976, 0.5914

Background



This preview shows how black text looks on a background with the Yxy color 71.6355, 0.2976, 0.5914.



This preview shows how white text looks on a background with the Yxy color 71.6355, 0.2976, 0.5914.

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

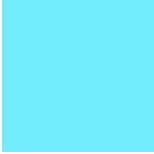
71.6355, 0.2976, 0.5914

Protanopia

69.7936, 0.4393, 0.4850

Deuteranopia

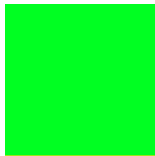
69.8621, 0.3961, 0.3978



Tritanopia

70.7883, 0.2379, 0.3062

Trichromacy



Original Color

71.6355, 0.2976, 0.5914



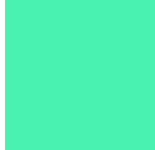
Protanomaly

64.3945, 0.3609, 0.5447



Deuteranomaly

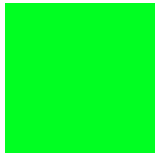
63.6190, 0.3412, 0.4838



Tritanomaly

68.6128, 0.2614, 0.4217

Monochromacy



Original Color

71.6355, 0.2976, 0.5914



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

40.9841, 0.2984, 0.4619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6355, 0.2976, 0.5914 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(0, 255, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 34)  
}
```

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(0, 255, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 34) }
```

Border

The CSS property to change the border of an element to Yxy 71.6355, 0.2976, 0.5914 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(0, 255, 34) }
```

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

```
.border{ border-color:rgb(0, 255, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 34);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 34)  
}
```

Background

The CSS property to change the background color of an element to Yxy 71.6355, 0.2976, 0.5914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 34) }
```

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

```
.background{ background-color: rgb(0, 255,  
34) }
```

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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