

Converting Colors

$Y_{xy}(72.4915, 0.2829, 0.5372)$

Have a look what the booklet for
Yxy(72.4915, 0.2829, 0.5372)
contains.

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Color

Yxy(72.4983, 0.2829, 0.5371)

Conversions

Conversions Part 1

Format	Color
Hex	06FF65
RGB	6, 255, 101
RGB Percent	2%, 100%, 40%
CMY	0.9758, 0.0000, 0.6038
CMYK	0.98, 0.00, 0.60, 0.00
HSL	143°, 100%, 51%
HSV	143°, 98%, 100%
XYZ	38.1861, 72.4983, 24.2966
YIQ	162.9930, -98.9700, -100.6820

Conversions

Conversions Part 2

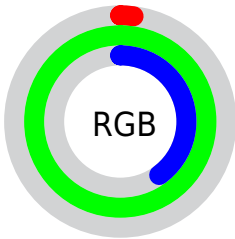
Format	Color
RYB	6, 186, 255
Decimal	458597
CIELab	88.21, -80.23, 58.36
CIELCh	88, 99.210, 143.967
Yxy	72.4983, 0.2829, 0.5371
Android (android.graphics.Color)	4278648677 (0xFF06FF65)
YUV	162.9930, -30.5625, -137.6829
Hunter-Lab	85.1459, -68.9520, 42.6836

Details

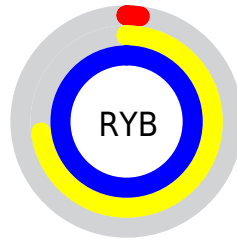
The Yxy color **72.4983, 0.2829, 0.5371** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **23.9373, 0.4453, 0.2236**, and the grayscale version is **36.8308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7719, 0.2881, 0.4551**, and **39.6617, 0.2934, 0.5762** is the 20% darker color. If you saturate the color by 10%, you get **72.3868, 0.2838, 0.5416**, and if you desaturate by 10%, it is **73.1015, 0.2796, 0.5168**.

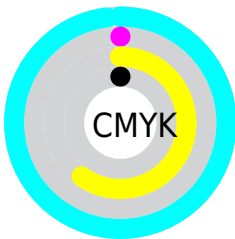
Distribution



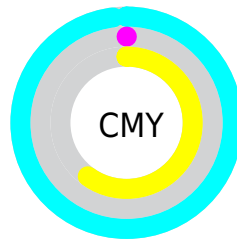
- Red (2%)
- Green (100%)
- Blue (40%)



- Red (2%)
- Yellow (73%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (98%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4983, 0.2829, 0.5371 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 72.4983, 0.2829, 0.5371 by changing the saturation by 10% instead.

 72.4983, 0.2829,
0.5371


 72.4983, 0.2829,
0.5371


469.2742, 0.3034,
0.4319


 53.5658, 0.2763,
0.5626


 122.7647, 0.2915,
0.4992


 38.2547, 0.2671,
0.5945


 154.8675, 0.2944,
0.4848

 26.1804, 0.2538,
0.6350


 192.1291, 0.2968,
0.4726

 16.9586, 0.2338,
0.6871

 234.9340, 0.2986,
0.4621

 10.2050, 0.2038,
0.7572

 283.6665, 0.3002,
0.4530

 5.5351, 0.1557,
0.8443

338.7111, 0.3014,

 2.5645, 0.0000,

0.4451

1.0000

400.4522, 0.3025,
0.4381

■ 0.9089, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.4983, 0.2829,
0.5371

■ 72.4983, 0.2829,
0.5371

■ 72.3868, 0.2838,
0.5416

■ 73.1015, 0.2796,
0.5168

■ 74.0767, 0.2780,
0.4942

■ 75.4936, 0.2782,
0.4702

■ 77.4042, 0.2803,
0.4458

■ 79.8533, 0.2840,
0.4217

■ 82.8802, 0.2889,
0.3989

■ 86.5206, 0.2946,
0.3776

■ 90.8071, 0.3010,
0.3583

■ 95.7700, 0.3076,
0.3409

Harmonies

Analogous

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



72.4983, 0.3877, 0.5407



72.4983, 0.2829, 0.5371



72.4983, 0.1912, 0.4234

Triad

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



72.4983, 0.2829, 0.5371



72.4983, 0.1493, 0.1685



72.4983, 0.5224, 0.3166

Complementary

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



72.4983, 0.2829, 0.5371



23.9373, 0.4453, 0.2236

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.



72.4983, 0.4296, 0.2491



72.4983, 0.2829, 0.5371



72.4983, 0.2071, 0.1684

Square

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



72.4983, 0.2829, 0.5371



72.4983, 0.1272, 0.2032



72.4983, 0.3059, 0.1965



72.4983, 0.5365, 0.3913

Rectangle

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



72.4983, 0.2829, 0.5371



72.4983, 0.1513, 0.3283



72.4983, 0.3059, 0.1965



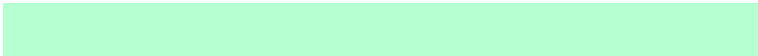
72.4983, 0.4990, 0.2932

Sweetspot

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



72.4998, 0.2829, 0.5371



85.9651, 0.2938, 0.3805



79.4008, 0.3564, 0.5542



18.0594, 0.2913, 0.3895



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.



72.4998, 0.2829, 0.5371



72.3868, 0.2838, 0.5416



76.8242, 0.2366, 0.3710



20.2827, 0.3063, 0.3441



37.8505, 0.2829, 0.5386



3.7059, 0.2766, 0.5158

Inverse Universe

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



23.9373, 0.4453, 0.2236



23.7217, 0.4494, 0.2249



21.5428, 0.6208, 0.3209



18.1761, 0.3197, 0.3144



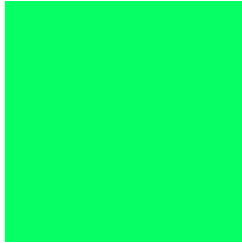
12.4251, 0.4467, 0.2235



1.2311, 0.4285, 0.2134

Previews

White Background



This preview shows how the Yxy color 72.4983, 0.2829, 0.5371 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 72.4983, 0.2829, 0.5371 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 72.4983, 0.2829, 0.5371

Background



This preview shows how black text looks on a background with the Yxy color 72.4983, 0.2829, 0.5371.

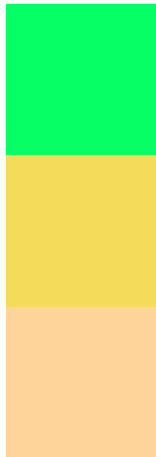


This preview shows how white text looks on a background with the Yxy color 72.4983, 0.2829, 0.5371.

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

72.4983, 0.2829, 0.5371

Protanopia

70.6343, 0.4160, 0.4556

Deuteranopia

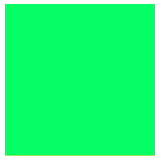
70.7135, 0.3877, 0.3878



Tritanopia

71.7103, 0.2399, 0.3076

Trichromacy



Original Color

72.4983, 0.2829, 0.5371



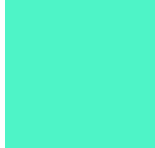
Protanomaly

65.7905, 0.3416, 0.4996



Deuteranomaly

65.2354, 0.3265, 0.4472



Tritanomaly

70.4446, 0.2524, 0.3882

Monochromacy



Original Color

72.4983, 0.2829, 0.5371



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

44.4375, 0.2852, 0.4167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4983, 0.2829, 0.5371 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(6, 255, 101)` looks like.

```
.text, #text, p{  
    color:rgb(6, 255, 101)  
}
```

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(6, 255, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 255, 101) }
```

Border

The CSS property to change the border of an element to Yxy 72.4983, 0.2829, 0.5371 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(6, 255, 101) }
```

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

```
.border{ border-color:rgb(6, 255, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 255, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(6, 255,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4983, 0.2829, 0.5371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 255, 101) }
```

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

```
.background{ background-color: rgb(6, 255,  
101) }
```

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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