

Converting Colors

$Y_{xy}(72.4534, 0.2827, 0.5377)$

Have a look what the booklet for
Yxy(72.4534, 0.2827, 0.5377)
contains.

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Color

Yxy(72.4596, 0.2826, 0.5373)

Conversions

Conversions Part 1

| Format | Color |
|-------------|--------------------------------|
| Hex | 00FF65 |
| RGB | 0, 255, 101 |
| RGB Percent | 0%, 100%, 40% |
| CMY | 0.9990, 0.0000, 0.6039 |
| CMYK | 1.00, 0.00, 0.60, 0.00 |
| HSL | 144°, 100%, 50% |
| HSV | 144°, 100%, 100% |
| XYZ | 38.1111, 72.4596, 24.2881 |
| YIQ | 161.1990, -102.5460, -101.9540 |

Conversions

Conversions Part 2

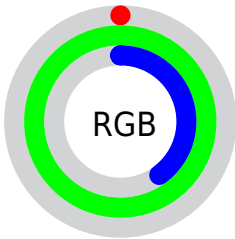
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 183, 255 |
| Decimal | 65381 |
| CIELab | 88.19, -80.39, 58.34 |
| CIELCh | 88, 99.330, 144.030 |
| Yxy | 72.4596, 0.2826, 0.5373 |
| Android (android.graphics.Color) | 4278255461 (0xFF00FF65) |
| YUV | 161.1990, -29.6781, -141.3715 |
| Hunter-Lab | 85.1232, -69.0482, 42.6691 |

Details

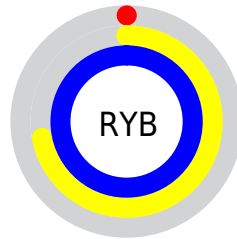
The Yxy color **72.4596, 0.2826, 0.5373** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **23.6073, 0.4552, 0.2282**, and the grayscale version is **35.9523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7022, 0.2877, 0.4553**, and **39.6617, 0.2934, 0.5762** is the 20% darker color. If you saturate the color by 10%, you get **72.4565, 0.2826, 0.5375**, and if you desaturate by 10%, it is **73.0071, 0.2791, 0.5177**.

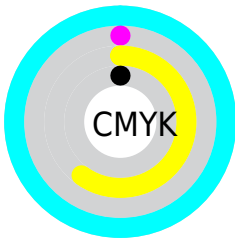
Distribution



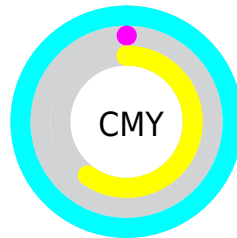
- Red (0%)
- Green (100%)
- Blue (40%)



- Red (0%)
- Yellow (72%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4596, 0.2826, 0.5373 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 72.4596, 0.2826, 0.5373 by changing the saturation by 10% instead.


 72.4596, 0.2826,
0.5373


 72.4596, 0.2826,
0.5373


469.1397, 0.3033,
0.4319


 53.5342, 0.2759,
0.5628

 122.7097, 0.2913,
0.4993


 38.2294, 0.2667,
0.5948


 154.8033, 0.2942,
0.4850

 26.1608, 0.2533,
0.6354


 192.0550, 0.2965,
0.4727

 16.9440, 0.2333,
0.6875

 234.8492, 0.2984,
0.4622

 10.1945, 0.2032,
0.7578

 283.5704, 0.3000,
0.4531

 5.5281, 0.1550,
0.8450

338.6030, 0.3013,

 2.5603, 0.0000,

0.4452

1.0000

400.3313, 0.3023,
0.4382

■ 0.9068, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.4596, 0.2826,
0.5373

■ 72.4596, 0.2826,
0.5373


■ 72.4565, 0.2826,
0.5375

■ 73.0071, 0.2791,
0.5177


■ 73.8919, 0.2771,
0.4958

■ 75.2021, 0.2770,
0.4724


■ 76.9921, 0.2787,
0.4485

 79.3080, 0.2822,
0.4249

 82.1898, 0.2869,
0.4022

 85.6739, 0.2927,
0.3811

 89.7934, 0.2991,
0.3618

 94.5789, 0.3059,
0.3444

Harmonies

Analogous

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



72.4596, 0.3875, 0.5411



72.4596, 0.2826, 0.5373



72.4596, 0.1909, 0.4233

Triad

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



72.4596, 0.2826, 0.5373



72.4596, 0.1492, 0.1683



72.4596, 0.5228, 0.3167

Complementary

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



72.4596, 0.2826, 0.5373



23.6073, 0.4552, 0.2282

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.



72.4596, 0.4300, 0.2492



72.4596, 0.2826, 0.5373



72.4596, 0.2072, 0.1683

Square

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



72.4596, 0.2826, 0.5373



72.4596, 0.1270, 0.2029



72.4596, 0.3061, 0.1965



72.4596, 0.5367, 0.3914

Rectangle

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



72.4596, 0.2826, 0.5373



72.4596, 0.1511, 0.3280



72.4596, 0.3061, 0.1965



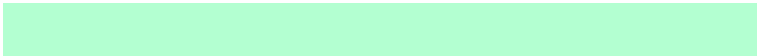
72.4596, 0.4994, 0.2933

Sweetspot

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



72.4612, 0.2826, 0.5373



85.6355, 0.2926, 0.3813



78.7238, 0.3526, 0.5582



17.9995, 0.2901, 0.3900



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.



72.4612, 0.2826, 0.5373



72.4565, 0.2826, 0.5375



76.9732, 0.2351, 0.3664



20.2872, 0.3061, 0.3437



37.8874, 0.2818, 0.5344



3.7098, 0.2755, 0.5117

Inverse Universe

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



23.6073, 0.4552, 0.2282



23.5983, 0.4554, 0.2282



21.3592, 0.6284, 0.3236



18.1716, 0.3199, 0.3147



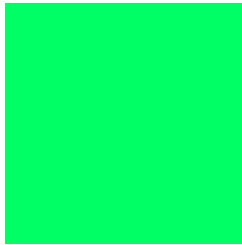
12.3609, 0.4526, 0.2267



1.2251, 0.4334, 0.2161

Previews

White Background



This preview shows how the Yxy color 72.4596, 0.2826, 0.5373 looks on a white background.

Color Contrast Check

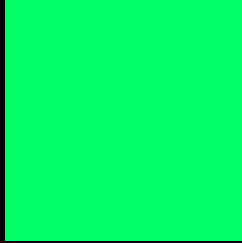
Large Text (above 18pt) WCAG AA × Fail

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 72.4596, 0.2826, 0.5373 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 72.4596, 0.2826, 0.5373

Background



This preview shows how black text looks on a background with the Yxy color 72.4596, 0.2826, 0.5373.

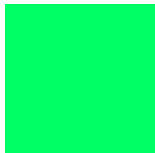


This preview shows how white text looks on a background with the Yxy color 72.4596, 0.2826, 0.5373.

Color Blindness Simulation

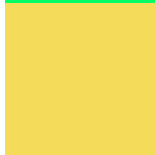
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.4596, 0.2826, 0.5373



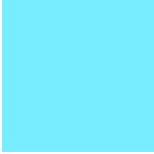
Protanopia

70.6343, 0.4160, 0.4556



Deuteranopia

70.7135, 0.3877, 0.3878



Tritanopia

71.7103, 0.2399, 0.3076

Trichromacy



Original Color

72.4596, 0.2826, 0.5373



Protanomaly

65.4899, 0.3395, 0.5008



Deuteranomaly

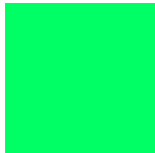
64.9175, 0.3245, 0.4480



Tritanomaly

70.3614, 0.2519, 0.3883

Monochromacy



Original Color

72.4596, 0.2826, 0.5373



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

43.7779, 0.2839, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4596, 0.2826, 0.5373 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, 101)` looks like.

```
.text, #text, p{  
  color:rgb(0, 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(0, 255, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 101) }
```

Border

The CSS property to change the border of an element to Yxy 72.4596, 0.2826, 0.5373 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, 101) }
```

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

```
.border{ border-color:rgb(0, 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(0, 255, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4596, 0.2826, 0.5373 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, 101) }
```

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

```
.background{ background-color: rgb(0, 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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