

Converting Colors

$Y_{xy}(72.6174, 0.2800, 0.5282)$

Have a look what the booklet for
Yxy(72.6174, 0.2800, 0.5282)
contains.

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Color

Yxy(72.6241, 0.2799, 0.5278)

Conversions

Conversions Part 1

Format	Color
Hex	00FF6D
RGB	0, 255, 109
RGB Percent	0%, 100%, 43%
CMY	1.0000, 0.0000, 0.5725
CMYK	1.00, 0.00, 0.57, 0.00
HSL	146°, 100%, 50%
HSV	146°, 100%, 100%
XYZ	38.5136, 72.6241, 26.4601
YIQ	162.1110, -105.1140, -99.4660

Conversions

Conversions Part 2

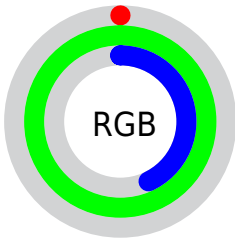
Format	Color
RYB	0, 179, 255
Decimal	65389
CIELab	88.27, -79.44, 54.97
CIELCh	88, 96.599, 145.319
Yxy	72.6241, 0.2799, 0.5278
Android (android.graphics.Color)	4278255469 (0xFF00FF6D)
YUV	162.1110, -26.1837, -142.1713
Hunter-Lab	85.2198, -68.4646, 41.2448

Details

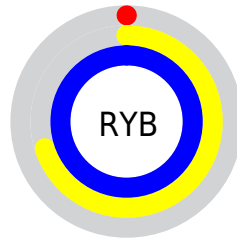
The Yxy color **72.6241, 0.2799, 0.5278** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **23.3347, 0.4689, 0.2357**, and the grayscale version is **36.3488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9133, 0.2836, 0.4449**, and **39.7462, 0.2905, 0.5659** is the 20% darker color. If you saturate the color by 10%, you get **72.6245, 0.2799, 0.5278**, and if you desaturate by 10%, it is **73.1786, 0.2764, 0.5084**.

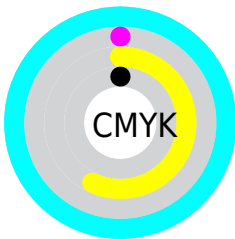
Distribution



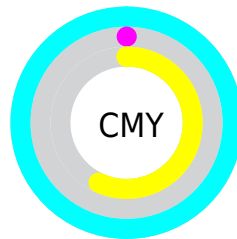
- Red (0%)
- Green (100%)
- Blue (43%)



- Red (0%)
- Yellow (70%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6241, 0.2799, 0.5278 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 72.6241, 0.2799, 0.5278 by changing the saturation by 10% instead.

 72.6241, 0.2799,
0.5278


 72.6241, 0.2799,
0.5278


469.7110, 0.3011,
0.4272


 53.6687, 0.2733,
0.5523

 122.9434, 0.2886,
0.4915

 38.3368, 0.2643,
0.5831


 155.0761, 0.2916,
0.4777


 26.2442, 0.2515,
0.6225


 192.3699, 0.2940,
0.4661

 17.0064, 0.2324,
0.6738

 235.2094, 0.2960,
0.4561

 10.2391, 0.2029,
0.7413

 283.9788, 0.2976,
0.4474

 5.5578, 0.1590,
0.8410

339.0626, 0.2989,

 2.5781, 0.0000,

0.4398

1.0000

400.8452, 0.3001,
0.4331

■ 0.9157, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.6241, 0.2799,
0.5278

■ 72.6241, 0.2799,
0.5278


■ 72.6245, 0.2799,
0.5278


■ 73.1786, 0.2764,
0.5084


■ 74.0650, 0.2745,
0.4872

■ 75.3708, 0.2745,
0.4648


■ 77.1500, 0.2765,
0.4421

 79.4483, 0.2802,
0.4197

 82.3055, 0.2852,
0.3984

 85.7577, 0.2913,
0.3784

 89.8376, 0.2981,
0.3602

 94.5756, 0.3053,
0.3437

Harmonies

Analogous

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



72.6241, 0.3827, 0.5377



72.6241, 0.2799, 0.5278



72.6241, 0.1911, 0.4144

Triad

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



72.6241, 0.2799, 0.5278



72.6241, 0.1542, 0.1711



72.6241, 0.5195, 0.3209

Complementary

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



72.6241, 0.2799, 0.5278



23.3347, 0.4689, 0.2357

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.



72.6241, 0.4319, 0.2538



72.6241, 0.2799, 0.5278



72.6241, 0.2130, 0.1722

Square

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



72.6241, 0.2799, 0.5278



72.6241, 0.1310, 0.2038



72.6241, 0.3114, 0.2011



72.6241, 0.5305, 0.3948

Rectangle

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



72.6241, 0.2799, 0.5278



72.6241, 0.1530, 0.3231



72.6241, 0.3114, 0.2011



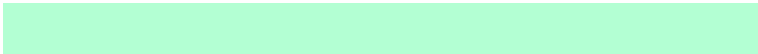
72.6241, 0.4977, 0.2976

Sweetspot

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



72.6245, 0.2799, 0.5278



85.7577, 0.2913, 0.3784



77.8861, 0.3474, 0.5624



18.0281, 0.2887, 0.3866



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.



72.6245, 0.2799, 0.5278



77.4462, 0.2320, 0.3553



20.2971, 0.3057, 0.3429



37.9763, 0.2791, 0.5247



3.7190, 0.2729, 0.5024

Inverse Universe

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



23.3347, 0.4689, 0.2357



21.3151, 0.6332, 0.3262



18.1614, 0.3204, 0.3155



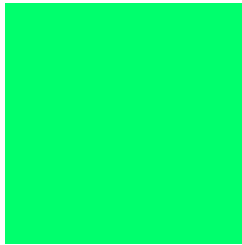
12.2234, 0.4658, 0.2340



1.2120, 0.4447, 0.2223

Previews

White Background



This preview shows how the Yxy color 72.6241, 0.2799, 0.5278 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 72.6241, 0.2799, 0.5278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

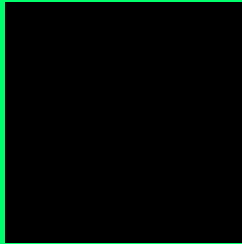
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.6241, 0.2799, 0.5278

Background



This preview shows how black text looks on a background with the Yxy color 72.6241, 0.2799, 0.5278.



This preview shows how white text looks on a background with the Yxy color 72.6241, 0.2799, 0.5278.

Color Blindness Simulation

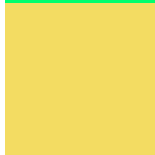
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.6241, 0.2799, 0.5278



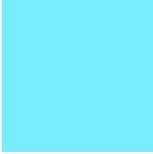
Protanopia

71.1229, 0.4105, 0.4508



Deuteranopia

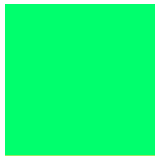
70.7813, 0.3863, 0.3858



Tritanopia

71.7814, 0.2403, 0.3076

Trichromacy



Original Color

72.6241, 0.2799, 0.5278



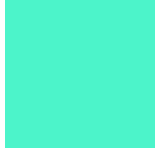
Protanomaly

66.2057, 0.3356, 0.4932



Deuteranomaly

65.0616, 0.3216, 0.4417



Tritanomaly

70.5021, 0.2506, 0.3841

Monochromacy



Original Color

72.6241, 0.2799, 0.5278



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

44.3466, 0.2816, 0.4122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6241, 0.2799, 0.5278 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 109) }
```

Border

The CSS property to change the border of an element to Yxy 72.6241, 0.2799, 0.5278 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, 109) }
```

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

```
.border{ border-color:rgb(0, 255, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
109) }
```

Background

The CSS property to change the background color of an element to Yxy 72.6241, 0.2799, 0.5278 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, 109) }
```

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

```
.background{ background-color: rgb(0, 255,  
109) }
```

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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