

Converting Colors

$Y_{xy}(70.9219, 0.2810, 0.5315)$

Have a look what the booklet for
Yxy(70.9219, 0.2810, 0.5315)
contains.

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Color

Yxy(70.6407, 0.2808, 0.5310)

Conversions

Conversions Part 1

Format	Color
Hex	00FC69
RGB	0, 252, 105
RGB Percent	0%, 99%, 41%
CMY	1.0000, 0.0117, 0.5881
CMYK	1.00, 0.00, 0.58, 0.01
HSL	145°, 100%, 49%
HSV	145°, 100%, 99%
XYZ	37.3558, 70.6407, 25.0369
YIQ	159.8940, -103.0050, -99.1410

Conversions

Conversions Part 2

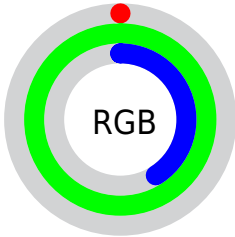
Format	Color
RYB	0, 178, 252
Decimal	64617
CIELab	87.31, -79.05, 55.59
CIELCh	87, 96.644, 144.884
Yxy	70.6407, 0.2808, 0.5310
Android (android.graphics.Color)	4278254697 (0xFF00FC69)
YUV	159.8940, -27.0627, -140.2270
Hunter-Lab	84.0480, -67.7484, 41.1719

Details

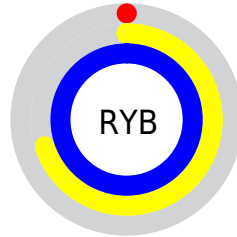
The Yxy color **70.6407, 0.2808, 0.5310** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **22.8033, 0.4642, 0.2331**, and the grayscale version is **35.2690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7711, 0.2854, 0.4502**, and **38.8139, 0.2916, 0.5696** is the 20% darker color. If you saturate the color by 10%, you get **70.6472, 0.2808, 0.5310**, and if you desaturate by 10%, it is **71.1854, 0.2773, 0.5115**.

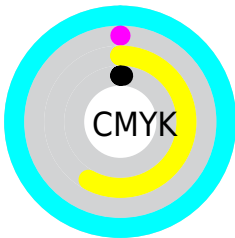
Distribution



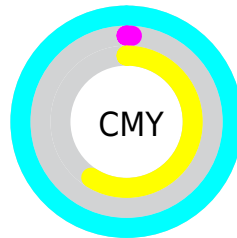
- Red (0%)
- Green (99%)
- Blue (41%)



- Red (0%)
- Yellow (70%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6407, 0.2808, 0.5310 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 70.6407, 0.2808, 0.5310 by changing the saturation by 10% instead.


 70.6407, 0.2808,
0.5310


 70.6407, 0.2808,
0.5310


462.7964, 0.3019,
0.4283

 52.0490, 0.2741,
0.5561

 120.1220, 0.2896,
0.4939

 37.0442, 0.2649,
0.5877


 151.7804, 0.2925,
0.4798


 25.2417, 0.2517,
0.6281


 188.5632, 0.2949,
0.4679

 16.2572, 0.2318,
0.6806

 230.8547, 0.2969,
0.4577

 9.7063, 0.2015,
0.7512

 279.0394, 0.2984,
0.4489

 5.2047, 0.1541,
0.8459

333.5017, 0.2998,

 2.3679, 0.0000,

0.4412

1.0000

394.6259, 0.3009,
0.4344

■ 0.8093, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.6407, 0.2808,
0.5310

■ 70.6407, 0.2808,
0.5310


■ 70.6472, 0.2808,
0.5310

■ 71.1854, 0.2773,
0.5115


■ 72.0482, 0.2754,
0.4901


■ 73.3209, 0.2754,
0.4674

■ 75.0560, 0.2773,
0.4442

 77.2980, 0.2808,
0.4215

 80.0857, 0.2858,
0.3997

 83.4542, 0.2918,
0.3794

 87.4355, 0.2984,
0.3608

 92.0592, 0.3055,
0.3440

Harmonies

Analogous

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



70.6407, 0.3843, 0.5389



70.6407, 0.2808, 0.5310



70.6407, 0.1910, 0.4174

Triad

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



70.6407, 0.2808, 0.5310



70.6407, 0.1525, 0.1702



70.6407, 0.5206, 0.3195

Complementary

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



70.6407, 0.2808, 0.5310



22.8033, 0.4642, 0.2331

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.



70.6407, 0.4313, 0.2522



70.6407, 0.2808, 0.5310



70.6407, 0.2111, 0.1708

Square

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



70.6407, 0.2808, 0.5310



70.6407, 0.1296, 0.2035



70.6407, 0.3097, 0.1995



70.6407, 0.5326, 0.3937

Rectangle

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



70.6407, 0.2808, 0.5310



70.6407, 0.1523, 0.3247



70.6407, 0.3097, 0.1995



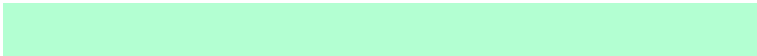
70.6407, 0.4983, 0.2961

Sweetspot

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



70.6472, 0.2808, 0.5310



85.7164, 0.2918, 0.3794



75.8303, 0.3474, 0.5624



18.0185, 0.2891, 0.3878



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.



70.6472, 0.2808, 0.5310



72.5663, 0.2809, 0.5311



75.3968, 0.2320, 0.3553



19.4292, 0.3059, 0.3432



36.8256, 0.2800, 0.5279



3.4313, 0.2734, 0.5043

Inverse Universe

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



22.8033, 0.4642, 0.2331



23.4212, 0.4644, 0.2332



20.7514, 0.6331, 0.3261



17.3950, 0.3202, 0.3153



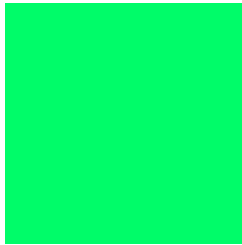
11.9075, 0.4612, 0.2314



1.1240, 0.4398, 0.2196

Previews

White Background



This preview shows how the Yxy color 70.6407, 0.2808, 0.5310 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 70.6407, 0.2808, 0.5310 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 70.6407, 0.2808, 0.5310

Background



This preview shows how black text looks on a background with the Yxy color 70.6407, 0.2808, 0.5310.

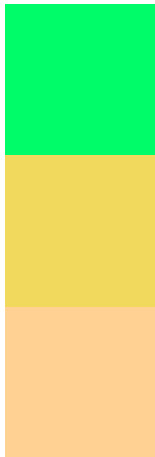


This preview shows how white text looks on a background with the Yxy color 70.6407, 0.2808, 0.5310.

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

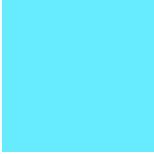
70.6407, 0.2808, 0.5310

Protanopia

69.1346, 0.4129, 0.4523

Deuteranopia

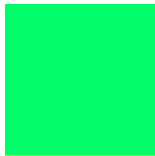
68.9675, 0.3948, 0.3929



Tritanopia

70.0945, 0.2342, 0.3060

Trichromacy



Original Color

70.6407, 0.2808, 0.5310



Protanomaly

64.2478, 0.3369, 0.4960



Deuteranomaly

63.1978, 0.3267, 0.4489



Tritanomaly

68.8326, 0.2484, 0.3849

Monochromacy



Original Color

70.6407, 0.2808, 0.5310



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

42.8582, 0.2824, 0.4134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6407, 0.2808, 0.5310 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, 252, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 105)  
}
```

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, 252, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 105) }
```

Border

The CSS property to change the border of an element to Yxy 70.6407, 0.2808, 0.5310 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, 252, 105) }
```

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

```
.border{ border-color:rgb(0, 252, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6407, 0.2808, 0.5310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 105) }
```

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

```
.background{ background-color: rgb(0, 252,  
105) }
```

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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