

Converting Colors

$Y_{xy}(70.5604, 0.2822, 0.5358)$

Have a look what the booklet for
Yxy(70.5604, 0.2822, 0.5358)
contains.

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Color

Yxy(70.5668, 0.2822, 0.5358)

Conversions

Conversions Part 1

Format	Color
Hex	01FC65
RGB	1, 252, 101
RGB Percent	0%, 99%, 40%
CMY	0.9980, 0.0117, 0.6040
CMYK	1.00, 0.00, 0.60, 0.01
HSL	144°, 100%, 50%
HSV	144°, 100%, 99%
XYZ	37.1668, 70.5668, 23.9701
YIQ	159.7370, -101.1250, -100.1730

Conversions

Conversions Part 2

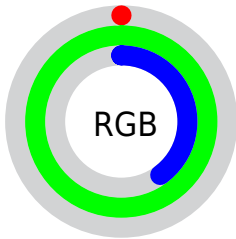
Format	Color
RYB	1, 180, 252
Decimal	130149
CIELab	87.27, -79.52, 57.30
CIELCh	87, 98.009, 144.225
Yxy	70.5668, 0.2822, 0.5358
Android (android.graphics.Color)	4278320229 (0xFF01FC65)
YUV	159.7370, -28.9573, -139.2123
Hunter-Lab	84.0040, -68.0315, 41.8848

Details

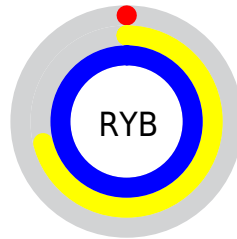
The Yxy color **70.5668, 0.2822, 0.5358** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **22.9606, 0.4566, 0.2290**, and the grayscale version is **35.1297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6333, 0.2873, 0.4555**, and **38.7730, 0.2930, 0.5747** is the 20% darker color. If you saturate the color by 10%, you get **70.5602, 0.2823, 0.5362**, and if you desaturate by 10%, it is **71.1067, 0.2787, 0.5162**.

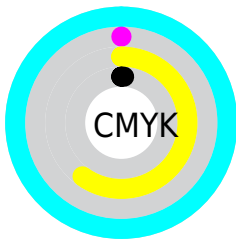
Distribution



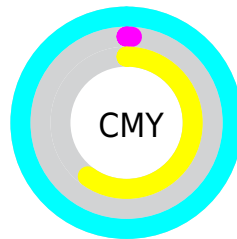
- Red (0%)
- Green (99%)
- Blue (40%)



- Red (0%)
- Yellow (71%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5668, 0.2822, 0.5358 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 70.5668, 0.2822, 0.5358 by changing the saturation by 10% instead.


 70.5668, 0.2822,
0.5358

 70.5668, 0.2822,
0.5358


462.5376, 0.3030,
0.4307


 51.9888, 0.2755,
0.5614

 120.0167, 0.2909,
0.4978


 36.9961, 0.2662,
0.5936


 151.6573, 0.2939,
0.4835

 25.2045, 0.2527,
0.6346


 188.4210, 0.2962,
0.4713

 16.2295, 0.2324,
0.6875

 230.6920, 0.2981,
0.4608

 9.6867, 0.2018,
0.7600

 278.8547, 0.2997,
0.4518

 5.1917, 0.1522,
0.8478


333.2937, 0.3010,

 2.3602, 0.0000,


0.4439

1.0000


394.3932, 0.3021,
0.4369


 0.8053, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 70.5668, 0.2822,
0.5358

 70.5668, 0.2822,
0.5358


 70.5602, 0.2823,
0.5362

 71.1067, 0.2787,
0.5162


 71.9744, 0.2767,
0.4943


 73.2560, 0.2767,
0.4711

 75.0042, 0.2785,
0.4473

 77.2634, 0.2820,
0.4239

 80.0726, 0.2868,
0.4014

 83.4670, 0.2926,
0.3805

 87.4786, 0.2991,
0.3613

 92.1372, 0.3059,
0.3441

Harmonies

Analogous

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



70.5668, 0.3867, 0.5406



70.5668, 0.2822, 0.5358



70.5668, 0.1910, 0.4219

Triad

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



70.5668, 0.2822, 0.5358



70.5668, 0.1500, 0.1688



70.5668, 0.5223, 0.3174

Complementary

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



70.5668, 0.2822, 0.5358



22.9606, 0.4566, 0.2290

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.



70.5668, 0.4303, 0.2499



70.5668, 0.2822, 0.5358



70.5668, 0.2081, 0.1689

Square

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



70.5668, 0.2822, 0.5358



70.5668, 0.1277, 0.2031



70.5668, 0.3069, 0.1972



70.5668, 0.5357, 0.3920

Rectangle

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



70.5668, 0.2822, 0.5358



70.5668, 0.1514, 0.3273



70.5668, 0.3069, 0.1972



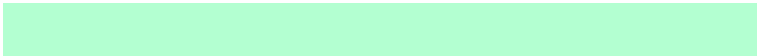
70.5668, 0.4991, 0.2939

Sweetspot

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



70.5697, 0.2822, 0.5358



85.6507, 0.2924, 0.3810



76.6568, 0.3527, 0.5581



18.0031, 0.2899, 0.3896



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.



70.5697, 0.2822, 0.5358



72.4767, 0.2823, 0.5363



74.9402, 0.2351, 0.3664



19.4241, 0.3061, 0.3436



36.7795, 0.2814, 0.5331



3.4267, 0.2748, 0.5093

Inverse Universe

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



22.9606, 0.4566, 0.2290



23.5642, 0.4571, 0.2292



20.8016, 0.6282, 0.3235



17.4003, 0.3200, 0.3149



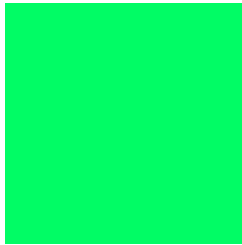
11.9799, 0.4541, 0.2275



1.1305, 0.4338, 0.2163

Previews

White Background



This preview shows how the Yxy color 70.5668, 0.2822, 0.5358 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 70.5668, 0.2822, 0.5358 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 70.5668, 0.2822, 0.5358

Background



This preview shows how black text looks on a background with the Yxy color 70.5668, 0.2822, 0.5358.

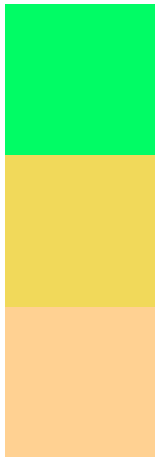


This preview shows how white text looks on a background with the Yxy color 70.5668, 0.2822, 0.5358.

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

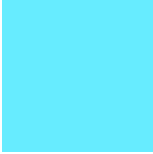
70.5668, 0.2822, 0.5358

Protanopia

69.0647, 0.4149, 0.4553

Deuteranopia

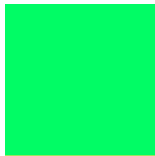
68.9363, 0.3956, 0.3939



Tritanopia

70.0945, 0.2342, 0.3060

Trichromacy



Original Color

70.5668, 0.2822, 0.5358



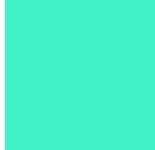
Protanomaly

64.2718, 0.3393, 0.4997



Deuteranomaly

63.1435, 0.3278, 0.4514



Tritanomaly

68.7860, 0.2488, 0.3863

Monochromacy



Original Color

70.5668, 0.2822, 0.5358



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

42.8288, 0.2831, 0.4150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5668, 0.2822, 0.5358 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(1, 252, 101)` looks like.

```
.text, #text, p{  
    color:rgb(1, 252, 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(1, 252, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 252, 101) }
```

Border

The CSS property to change the border of an element to Yxy 70.5668, 0.2822, 0.5358 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(1, 252, 101) }
```

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

```
.border{ border-color:rgb(1, 252, 101) }
```

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

Here you see how a box with a 4 pixel rgb(1, 252, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 252, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 252, 101);  
box-shadow:4px 4px 4px 4px rgb(1, 252,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5668, 0.2822, 0.5358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 252, 101) }
```

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

```
.background{ background-color: rgb(1, 252,  
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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