

Converting Colors

$Y_{xy}(70.2504, 0.2668, 0.4805)$

Have a look what the booklet for
Yxy(70.2504, 0.2668, 0.4805)
contains.

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Color

Yxy(70.3242, 0.2667, 0.4800)

Conversions

Conversions Part 1

Format	Color
Hex	01FA8E
RGB	1, 250, 142
RGB Percent	0%, 98%, 56%
CMY	0.9978, 0.0196, 0.4431
CMYK	1.00, 0.00, 0.43, 0.02
HSL	154°, 100%, 49%
HSV	154°, 100%, 98%
XYZ	39.0739, 70.3242, 37.1107
YIQ	163.2370, -113.7360, -86.3760

Conversions

Conversions Part 2

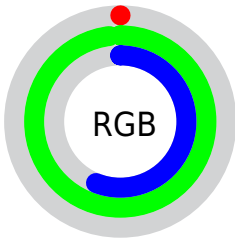
Format	Color
RYB	1, 160, 250
Decimal	129678
CIELab	87.16, -72.86, 38.15
CIELCh	87, 82.240, 152.362
Yxy	70.3242, 0.2667, 0.4800
Android (android.graphics.Color)	4278319758 (0xFF01FA8E)
YUV	163.2370, -10.4698, -142.2818
Hunter-Lab	83.8595, -63.5831, 32.4638

Details

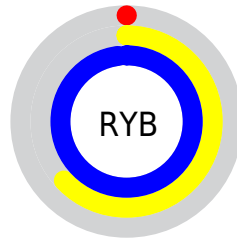
The Yxy color **70.3242, 0.2667, 0.4800** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **21.4302, 0.5281, 0.2684**, and the grayscale version is **36.7691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1286, 0.2676, 0.4012**, and **38.4375, 0.2754, 0.5116** is the 20% darker color. If you saturate the color by 10%, you get **70.3161, 0.2668, 0.4804**, and if you desaturate by 10%, it is **70.8784, 0.2639, 0.4638**.

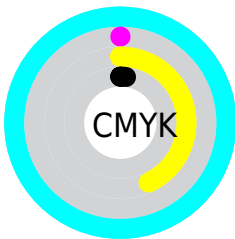
Distribution



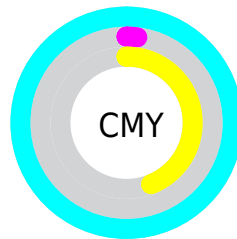
- Red (0%)
- Green (98%)
- Blue (56%)



- Red (0%)
- Yellow (63%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3242, 0.2667, 0.4800 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 70.3242, 0.2667, 0.4800 by changing the saturation by 10% instead.


 70.3242, 0.2667,
0.4800

 70.3242, 0.2667,
0.4800


461.6875, 0.2914,
0.4035


 51.7909, 0.2601,
0.4990


 119.6710, 0.2760,
0.4522


 36.8384, 0.2515,
0.5233


 151.2532, 0.2794,
0.4417

 25.0824, 0.2399,
0.5550

 187.9539, 0.2823,
0.4329

 16.1385, 0.2233,
0.5981

 230.1574, 0.2847,
0.4253

 9.6222, 0.1986,
0.6587

 278.2481, 0.2867,
0.4188

 5.1492, 0.1607,
0.7509


332.6104, 0.2885,

 2.3351, 0.0113,


0.4131

0.9887


393.6288, 0.2901,
0.4080

 0.7922, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.3242, 0.2667,
0.4800


 70.3242, 0.2667,
0.4800


 70.3161, 0.2668,
0.4804


 70.8784, 0.2639,
0.4638


 71.7305, 0.2629,
0.4469


 72.9634, 0.2640,
0.4297

 74.6271, 0.2670,
0.4127

 76.7637, 0.2719,
0.3961

 79.4100, 0.2784,
0.3803

 82.5991, 0.2860,
0.3656

 86.3614, 0.2945,
0.3521

 90.7246, 0.3036,
0.3398

Harmonies

Analogous

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



70.3242, 0.3580, 0.5150



70.3242, 0.2667, 0.4800



70.3242, 0.1931, 0.3749

Triad

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



70.3242, 0.2667, 0.4800



70.3242, 0.1809, 0.1860



70.3242, 0.5009, 0.3409

Complementary

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



70.3242, 0.2667, 0.4800



21.4302, 0.5281, 0.2684

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.



70.3242, 0.4381, 0.2771



70.3242, 0.2667, 0.4800



70.3242, 0.2431, 0.1927

Square

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



70.3242, 0.2667, 0.4800



70.3242, 0.1521, 0.2094



70.3242, 0.3368, 0.2248



70.3242, 0.4985, 0.4097

Rectangle

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



70.3242, 0.2667, 0.4800



70.3242, 0.1635, 0.3019



70.3242, 0.3368, 0.2248



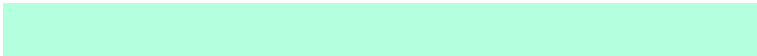
70.3242, 0.4868, 0.3189

Sweetspot

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



70.3270, 0.2667, 0.4800



86.3119, 0.2858, 0.3660



71.6003, 0.3269, 0.5786



18.1590, 0.2825, 0.3721



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.



70.3270, 0.2667, 0.4800



73.5523, 0.2668, 0.4805



65.3926, 0.2188, 0.3077



19.4742, 0.3038, 0.3395



37.3280, 0.2660, 0.4777



3.4785, 0.2606, 0.4582

Inverse Universe

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



21.4302, 0.5281, 0.2684



22.3943, 0.5289, 0.2687



20.7317, 0.6362, 0.3328



17.3500, 0.3226, 0.3188



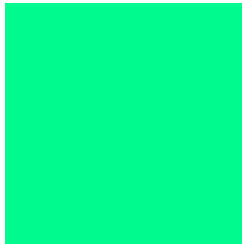
11.3850, 0.5246, 0.2663



1.0753, 0.4944, 0.2497

Previews

White Background



This preview shows how the Yxy color 70.3242, 0.2667, 0.4800 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 70.3242, 0.2667, 0.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

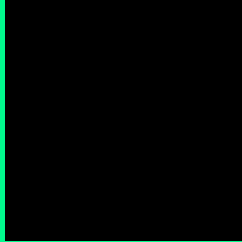
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3242, 0.2667, 0.4800

Background



This preview shows how black text looks on a background with the Yxy color 70.3242, 0.2667, 0.4800.

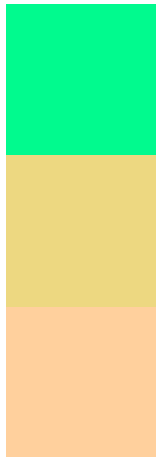


This preview shows how white text looks on a background with the Yxy color 70.3242, 0.2667, 0.4800.

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

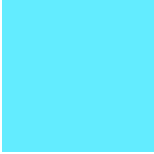
70.3307, 0.2667, 0.4800

Protanopia

68.7012, 0.3896, 0.4219

Deuteranopia

68.8061, 0.3878, 0.3819



Tritanopia

69.8636, 0.2329, 0.3060

Trichromacy



Original Color

70.3307, 0.2667, 0.4800



Protanomaly

63.7873, 0.3176, 0.4521



Deuteranomaly

62.7237, 0.3151, 0.4209



Tritanomaly

68.8224, 0.2415, 0.3642

Monochromacy



Original Color

70.3307, 0.2667, 0.4800



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

44.3398, 0.2746, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3242, 0.2667, 0.4800 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, 250, 142)` looks like.

```
.text, #text, p{  
    color:rgb(1, 250, 142)  
}
```

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, 250, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 250, 142) }
```

Border

The CSS property to change the border of an element to Yxy 70.3242, 0.2667, 0.4800 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, 250, 142) }
```

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

```
.border{ border-color:rgb(1, 250, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 250, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 250, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 250, 142);  
box-shadow:4px 4px 4px 4px rgb(1, 250,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3242, 0.2667, 0.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 250, 142) }
```

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

```
.background{ background-color: rgb(1, 250,  
142) }
```

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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