

Converting Colors

$Yxy(69.3297, 0.2630, 0.4968)$

Have a look what the booklet for
Yxy(69.3297, 0.2630, 0.4968)
contains.

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Color

Yxy(70.0647, 0.2702, 0.4928)

Conversions

Conversions Part 1

Format	Color
Hex	00FA85
RGB	0, 250, 133
RGB Percent	0%, 98%, 52%
CMY	1.0000, 0.0196, 0.4783
CMYK	1.00, 0.00, 0.47, 0.02
HSL	152°, 100%, 49%
HSV	152°, 100%, 98%
XYZ	38.4162, 70.0647, 33.6959
YIQ	161.9120, -111.4430, -89.3870

Conversions

Conversions Part 2

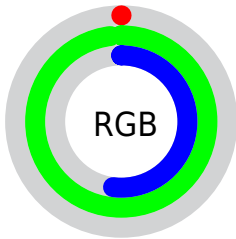
Format	Color
RYB	0, 163, 250
Decimal	64133
CIELab	87.03, -74.41, 42.35
CIELCh	87, 85.617, 150.350
Yxy	70.0647, 0.2702, 0.4928
Android (android.graphics.Color)	4278254213 (0xFF00FA85)
YUV	161.9120, -14.2536, -141.9968
Hunter-Lab	83.7047, -64.5608, 34.7257

Details

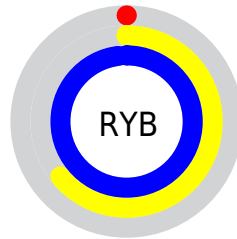
The Yxy color **70.0647, 0.2702, 0.4928** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **21.6095, 0.5137, 0.2604**, and the grayscale version is **36.1982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7282, 0.2717, 0.4132**, and **38.2934, 0.2796, 0.5265** is the 20% darker color. If you saturate the color by 10%, you get **70.0703, 0.2702, 0.4928**, and if you desaturate by 10%, it is **70.6186, 0.2672, 0.4755**.

Distribution



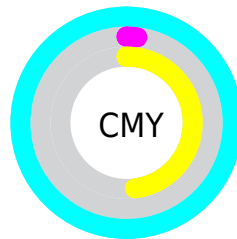
- Red (0%)
- Green (98%)
- Blue (52%)



- Red (0%)
- Yellow (64%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (2%)



- Cyan (100%)
- Magenta (2%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0647, 0.2702, 0.4928 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 70.0647, 0.2702, 0.4928 by changing the saturation by 10% instead.


 70.0647, 0.2702,
0.4928

 70.0647, 0.2702,
0.4928


460.7771, 0.2939,
0.4096

 51.5793, 0.2637,
0.5135


 119.3010, 0.2793,
0.4625


 36.6698, 0.2550,
0.5398


 150.8207, 0.2826,
0.4512

 24.9520, 0.2430,
0.5742


 187.4539, 0.2853,
0.4415

 16.0413, 0.2258,
0.6206

 229.5851, 0.2876,
0.4333

 9.5534, 0.1997,
0.6849

 277.5986, 0.2895,
0.4262

 5.1038, 0.1617,
0.7922


331.8789, 0.2912,


 2.3083, 0.0000,

0.4200

1.0000


392.8103, 0.2927,
0.4145


 0.7781, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.0647, 0.2702,
0.4928


 70.0647, 0.2702,
0.4928

 70.0703, 0.2702,
0.4928

 70.6186, 0.2672,
0.4755

 71.4689, 0.2659,
0.4574

 72.7037, 0.2666,
0.4388

 74.3735, 0.2693,
0.4203

■ 76.5208, 0.2739,
0.4022

■ 79.1827, 0.2800,
0.3851

■ 82.3926, 0.2872,
0.3690

■ 86.1810, 0.2953,
0.3543

■ 90.5762, 0.3039,
0.3410

Harmonies

Analogous

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



70.0647, 0.3648, 0.5220



70.0647, 0.2702, 0.4928



70.0647, 0.1924, 0.3849

Triad

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



70.0647, 0.2702, 0.4928



70.0647, 0.1735, 0.1819



70.0647, 0.5062, 0.3356

Complementary

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



70.0647, 0.2702, 0.4928



21.6095, 0.5137, 0.2604

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.



70.0647, 0.4369, 0.2708



70.0647, 0.2702, 0.4928



70.0647, 0.2349, 0.1870

Square

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



70.0647, 0.2702, 0.4928



70.0647, 0.1462, 0.2077



70.0647, 0.3302, 0.2183



70.0647, 0.5072, 0.4060

Rectangle

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



70.0647, 0.2702, 0.4928



70.0647, 0.1605, 0.3071



70.0647, 0.3302, 0.2183



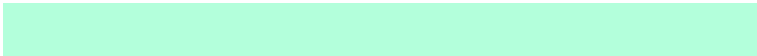
70.0647, 0.4901, 0.3132

Sweetspot

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



70.0703, 0.2702, 0.4928



86.1694, 0.2872, 0.3691



72.4294, 0.3331, 0.5737



18.1252, 0.2840, 0.3757



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.



70.0703, 0.2702, 0.4928



73.2884, 0.2703, 0.4930



72.7176, 0.2232, 0.3236



19.4636, 0.3043, 0.3403



37.1941, 0.2694, 0.4900



3.4662, 0.2637, 0.4692

Inverse Universe

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



21.6095, 0.5137, 0.2604



22.5997, 0.5140, 0.2605



20.4159, 0.6392, 0.3306



17.3604, 0.3220, 0.3180



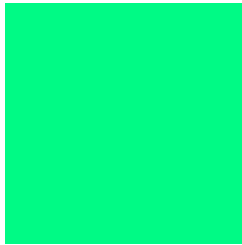
11.4900, 0.5098, 0.2582



1.0854, 0.4814, 0.2426

Previews

White Background



This preview shows how the Yxy color 70.0647, 0.2702, 0.4928 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 70.0647, 0.2702, 0.4928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

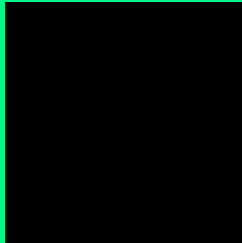
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0647, 0.2702, 0.4928

Background



This preview shows how black text looks on a background with the Yxy color 70.0647, 0.2702, 0.4928.



This preview shows how white text looks on a background with the Yxy color 70.0647, 0.2702, 0.4928.

Color Blindness Simulation

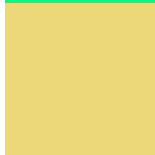
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70.0647, 0.2702, 0.4928



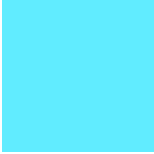
Protanopia

68.4967, 0.3948, 0.4297



Deuteranopia

68.1856, 0.3912, 0.3849



Tritanopia

69.7523, 0.2323, 0.3059

Trichromacy



Original Color

70.0647, 0.2702, 0.4928



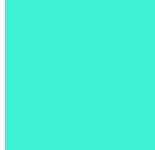
Protanomaly

63.5468, 0.3225, 0.4635



Deuteranomaly

62.5321, 0.3187, 0.4288



Tritanomaly

68.6379, 0.2426, 0.3684

Monochromacy



Original Color

70.0647, 0.2702, 0.4928



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

43.7015, 0.2763, 0.3963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0647, 0.2702, 0.4928 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, 250, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 133)  
}
```

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, 250, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 133) }
```

Border

The CSS property to change the border of an element to Yxy 70.0647, 0.2702, 0.4928 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, 250, 133) }
```

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

```
.border{ border-color:rgb(0, 250, 133) }
```

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

Here you see how a box with a 4 pixel rgb(0, 250, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0647, 0.2702, 0.4928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 133) }
```

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

```
.background{ background-color: rgb(0, 250,  
133) }
```

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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