

# Converting Colors

$Y_{xy}(71.8263, 0.2677, 0.4835)$

Have a look what the booklet for  
Yxy(71.8263, 0.2677, 0.4835)  
contains.

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# Color

**Yxy(71.5503, 0.2676, 0.4831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01FC8D
RGB	1, 252, 141
RGB Percent	0%, 99%, 55%
CMY	0.9950, 0.0118, 0.4470
CMYK	0.99, 0.00, 0.44, 0.01
HSL	153°, 99%, 50%
HSV	153°, 99%, 99%
XYZ	39.6333, 71.5503, 36.9230
YIQ	164.2970, -113.9650, -87.7330

# Conversions

## Conversions Part 2

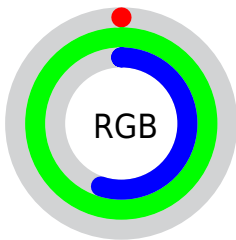
Format	Color
<a href="#">RYB</a>	<a href="#">1, 162, 252</a>
Decimal	<a href="#">130189</a>
CIELab	<a href="#">87.75, -73.66, 39.41</a>
CIELCh	<a href="#">88, 83.542, 151.850</a>
Yxy	<a href="#">71.5503, 0.2676, 0.4831</a>
Android (android.graphics.Color)	<a href="#">4278320269 (0xFF01FC8D)</a>
YUV	<a href="#">164.2970, -11.4854, -143.2115</a>
Hunter-Lab	<a href="#">84.5874, -64.3920, 33.3307</a>

# Details

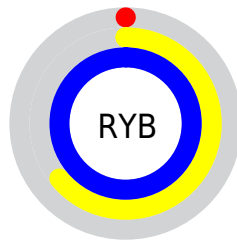
The Yxy color **71.5503, 0.2676, 0.4831** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **21.8994, 0.5233, 0.2659**, and the grayscale version is **37.4125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1504, 0.2684, 0.4025**, and **39.3048, 0.2764, 0.5150** is the 20% darker color. If you saturate the color by 10%, you get **71.5281, 0.2678, 0.4839**, and if you desaturate by 10%, it is **72.1200, 0.2648, 0.4665**.

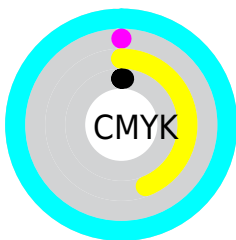
# Distribution



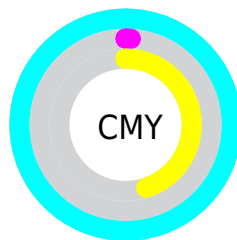
- Red (0%)
- Green (99%)
- Blue (55%)



- Red (0%)
- Yellow (64%)
- Blue (99%)



- Cyan (99%)
- Magenta (0%)
- Yellow (44%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5503, 0.2676, 0.4831 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 71.5503, 0.2676, 0.4831 by changing the saturation by 10% instead.




 71.5503, 0.2676,  
0.4831

 71.5503, 0.2676,  
0.4831


465.9748, 0.2920,  
0.4052


 52.7914, 0.2611,  
0.5024

 121.4170, 0.2768,  
0.4548


 37.6363, 0.2526,  
0.5269


 153.2935, 0.2802,  
0.4442


 25.7005, 0.2410,  
0.5590


 190.3114, 0.2830,  
0.4352

 16.5997, 0.2245,  
0.6024

 232.8550, 0.2853,  
0.4275

 9.9495, 0.2000,  
0.6630

 281.3088, 0.2874,  
0.4208

 5.3655, 0.1623,  
0.7547


336.0571, 0.2891,

 2.4633, 0.0275,


0.4150


0.9725


397.4843, 0.2906,  
0.4098


 0.8582, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 71.5503, 0.2676,  
0.4831


 71.5503, 0.2676,  
0.4831


 71.5281, 0.2678,  
0.4839


 72.1200, 0.2648,  
0.4665


 72.9990, 0.2637,  
0.4493


 74.2690, 0.2648,  
0.4317

 75.9806, 0.2678,  
0.4142

 78.1767, 0.2727,  
0.3973

 80.8948, 0.2790,  
0.3811

 84.1686, 0.2866,  
0.3661

 88.0289, 0.2950,  
0.3522

 92.5043, 0.3040,  
0.3397

# Harmonies

## Analogous

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



71.5503, 0.3597, 0.5167



71.5503, 0.2676, 0.4831



71.5503, 0.1929, 0.3773

# Triad

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



71.5503, 0.2676, 0.4831



71.5503, 0.1791, 0.1851



71.5503, 0.5021, 0.3396

# Complementary

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



71.5503, 0.2676, 0.4831



21.8994, 0.5233, 0.2659

# 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.



71.5503, 0.4377, 0.2756



71.5503, 0.2676, 0.4831



71.5503, 0.2411, 0.1913

# Square

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



71.5503, 0.2676, 0.4831



71.5503, 0.1506, 0.2090



71.5503, 0.3352, 0.2232



71.5503, 0.5006, 0.4088



# Rectangle

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



71.5503, 0.2676, 0.4831



71.5503, 0.1628, 0.3032



71.5503, 0.3352, 0.2232



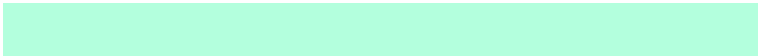
71.5503, 0.4875, 0.3175

# Sweetspot

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



71.5532, 0.2676, 0.4831



86.2718, 0.2862, 0.3668



73.2088, 0.3290, 0.5767



18.1495, 0.2829, 0.3731



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.



71.5532, 0.2676, 0.4831



73.4764, 0.2678, 0.4840



69.0423, 0.2204, 0.3131



19.4712, 0.3040, 0.3397



37.2895, 0.2670, 0.4812



3.4750, 0.2615, 0.4613



# Inverse Universe

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



21.8994, 0.5233, 0.2659



22.4497, 0.5248, 0.2664



21.0076, 0.6369, 0.3320



17.3529, 0.3224, 0.3185



11.4133, 0.5205, 0.2641



1.0780, 0.4908, 0.2477



# Previews

## White Background



This preview shows how the Yxy color 71.5503, 0.2676, 0.4831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

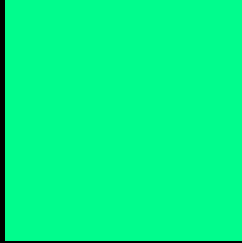
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.5503, 0.2676, 0.4831 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

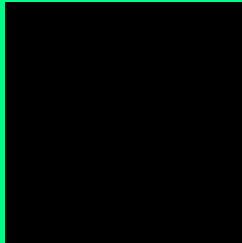
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.5503, 0.2676, 0.4831**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.5503, 0.2676, 0.4831.



This preview shows how white text looks on a background with the Yxy color 71.5503, 0.2676, 0.4831.

# Color Blindness Simulation

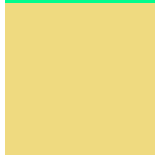
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

71.5503, 0.2676, 0.4831



### Protanopia

70.0520, 0.3909, 0.4242



### Deuteranopia

69.9618, 0.3833, 0.3787



## Tritanopia

71.1034, 0.2368, 0.3074

# Trichromacy



## Original Color

71.5503, 0.2676, 0.4831



## Protanomaly

65.0594, 0.3192, 0.4547



## Deuteranomaly

63.9701, 0.3144, 0.4202



## Tritanomaly

69.6614, 0.2434, 0.3653

# Monochromacy



## Original Color

71.5503, 0.2676, 0.4831



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

44.8834, 0.2747, 0.3906

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.5503, 0.2676, 0.4831 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(1, 252, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 252, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5503, 0.2676, 0.4831 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, 141) }
```

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

```
.border{ border-color:rgb(1, 252, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 252, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 252, 141);  
box-shadow:4px 4px 4px 4px rgb(1, 252,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.5503, 0.2676, 0.4831 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, 141) }
```

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

```
.background{ background-color: rgb(1, 252,  
141) }
```

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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