

# Converting Colors

$Y_{xy}(70.0532, 0.2817, 0.5332)$

Have a look what the booklet for  
Yxy(70.0532, 0.2817, 0.5332)  
contains.

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# Color

**Yxy(69.9994, 0.2816, 0.5328)**

# Conversions

## Conversions Part 1

Format	Color
Hex	04FB67
RGB	4, 251, 103
RGB Percent	2%, 98%, 40%
CMY	0.9832, 0.0157, 0.5962
CMYK	0.98, 0.00, 0.59, 0.02
HSL	144°, 97%, 50%
HSV	144°, 98%, 98%
XYZ	36.9967, 69.9994, 24.3842
YIQ	160.2750, -99.7040, -98.3920

# Conversions

## Conversions Part 2

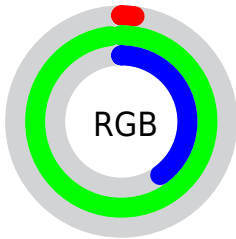
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 180, 251
Decimal	326503
CIELab	87.00, -78.88, 56.13
CIELCh	87, 96.809, 144.566
Yxy	69.9994, 0.2816, 0.5328
Android (android.graphics.Color)	4278516583 (0xFF04FB67)
YUV	160.2750, -28.2366, -137.0532
Hunter-Lab	83.6656, -67.4827, 41.2860

# Details

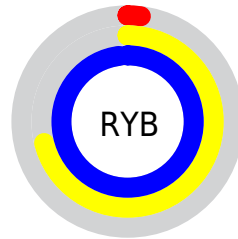
The Yxy color **69.9994, 0.2816, 0.5328** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **22.8808, 0.4540, 0.2282**, and the grayscale version is **35.4970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7016, 0.2863, 0.4528**, and **38.3533, 0.2921, 0.5714** is the 20% darker color. If you saturate the color by 10%, you get **69.9236, 0.2822, 0.5360**, and if you desaturate by 10%, it is **70.5716, 0.2782, 0.5128**.

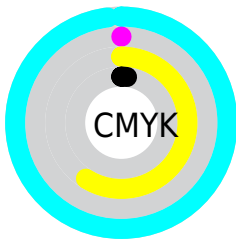
# Distribution



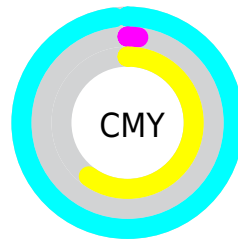
- Red (2%)
- Green (98%)
- Blue (40%)



- Red (2%)
- Yellow (71%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (59%)
- Black (2%)



- Cyan (98%)
- Magenta (2%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9994, 0.2816, 0.5328 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 69.9994, 0.2816, 0.5328 by changing the saturation by 10% instead.




 69.9994, 0.2816,  
0.5328


 69.9994, 0.2816,  
0.5328


460.5479, 0.3025,  
0.4291

 51.5260, 0.2749,  
0.5582


 119.2079, 0.2903,  
0.4953


 36.6274, 0.2657,  
0.5901


 150.7118, 0.2933,  
0.4811

 24.9192, 0.2523,  
0.6309


 187.3281, 0.2956,  
0.4691

 16.0168, 0.2321,  
0.6838

 229.4410, 0.2975,  
0.4588

 9.5361, 0.2016,  
0.7559

 277.4351, 0.2991,  
0.4498

 5.0925, 0.1526,  
0.8474


331.6947, 0.3004,

 2.3016, 0.0000,


0.4420


1.0000


392.6041, 0.3015,  
0.4352


 0.7746, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 69.9994, 0.2816,  
0.5328


 69.9994, 0.2816,  
0.5328


 69.9236, 0.2822,  
0.5360


 70.5716, 0.2782,  
0.5128


 71.4900, 0.2765,  
0.4907


 72.8268, 0.2768,  
0.4674

 74.6329, 0.2789,  
0.4436

 76.9511, 0.2826,  
0.4203

 79.8196, 0.2876,  
0.3981

 83.2726, 0.2935,  
0.3775

 87.3415, 0.3001,  
0.3586

 92.0554, 0.3069,  
0.3416

# Harmonies

## Analogous

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



69.9994, 0.3854, 0.5393



69.9994, 0.2816, 0.5328



69.9994, 0.1913, 0.4193

# Triad

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



69.9994, 0.2816, 0.5328



69.9994, 0.1516, 0.1698



69.9994, 0.5210, 0.3186

# Complementary

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



69.9994, 0.2816, 0.5328



22.8808, 0.4540, 0.2282

# 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.



69.9994, 0.4306, 0.2513



69.9994, 0.2816, 0.5328



69.9994, 0.2098, 0.1701

# Square

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



69.9994, 0.2816, 0.5328



69.9994, 0.1290, 0.2035



69.9994, 0.3084, 0.1986



69.9994, 0.5337, 0.3929



# Rectangle

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



69.9994, 0.2816, 0.5328



69.9994, 0.1522, 0.3260



69.9994, 0.3084, 0.1986



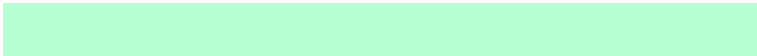
69.9994, 0.4983, 0.2952

# Sweetspot

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



70.0023, 0.2816, 0.5328



86.0343, 0.2931, 0.3789



76.1164, 0.3534, 0.5568



18.0757, 0.2904, 0.3876



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.



70.0023, 0.2816, 0.5328



72.4791, 0.2823, 0.5362



74.3093, 0.2351, 0.3658



19.4243, 0.3061, 0.3436



36.7808, 0.2814, 0.5329



3.4268, 0.2748, 0.5091



# Inverse Universe

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



22.8808, 0.4540, 0.2282



23.5602, 0.4573, 0.2293



20.7132, 0.6252, 0.3229



17.4001, 0.3200, 0.3149



11.9779, 0.4543, 0.2276

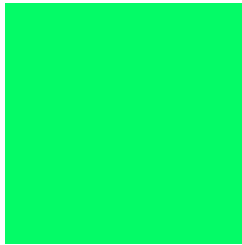


1.1303, 0.4339, 0.2164



# Previews

## White Background



This preview shows how the Yxy color 69.9994, 0.2816, 0.5328 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 69.9994, 0.2816, 0.5328 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

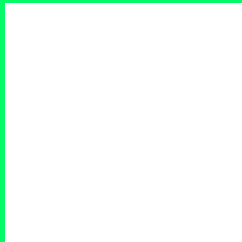
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.9994, 0.2816, 0.5328**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9994, 0.2816, 0.5328.

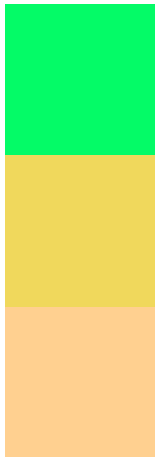


This preview shows how white text looks on a background with the Yxy color 69.9994, 0.2816, 0.5328.

# 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

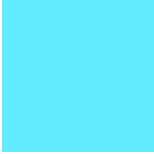
69.9994, 0.2816, 0.5328

### Protanopia

68.4097, 0.4137, 0.4534

### Deuteranopia

68.3854, 0.3975, 0.3949



## **Tritanopia**

69.2893, 0.2327, 0.3047

# Trichromacy



## Original Color

69.9994, 0.2816, 0.5328



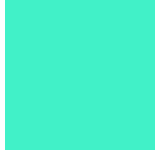
## Protanomaly

63.7532, 0.3387, 0.4969



## Deuteranomaly

62.7888, 0.3300, 0.4511



## Tritanomaly

68.2045, 0.2479, 0.3837

# Monochromacy



## Original Color

69.9994, 0.2816, 0.5328



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

42.8876, 0.2837, 0.4149

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  69.9994, 0.2816, 0.5328 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(4, 251, 103)` looks like.

```
.text, #text, p{  
    color:rgb(4, 251, 103)  
}
```

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(4, 251, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 251, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9994, 0.2816, 0.5328 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(4, 251, 103) }
```

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

```
.border{ border-color:rgb(4, 251, 103) }
```

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

Here you see how a box with a 4 pixel rgb(4, 251, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 251, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 251, 103);  
box-shadow:4px 4px 4px 4px rgb(4, 251,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9994, 0.2816, 0.5328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 251, 103) }
```

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

```
.background{ background-color: rgb(4, 251,  
103) }
```

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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