

# Converting Colors

Yxy(66.9434, 0.2817, 0.5365)

Have a look what the booklet for  
Yxy(66.9434, 0.2817, 0.5365)  
contains.

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# Color

**Yxy(66.7934, 0.2823, 0.5363)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F662
RGB	0, 246, 98
RGB Percent	0%, 96%, 38%
CMY	1.0000, 0.0353, 0.6157
CMYK	1.00, 0.00, 0.60, 0.04
HSL	144°, 100%, 48%
HSV	144°, 100%, 96%
XYZ	35.1590, 66.7934, 22.5924
YIQ	155.5740, -99.1080, -98.1800

# Conversions

## Conversions Part 2

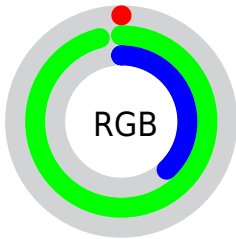
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 176, 246
Decimal	63074
CIELab	85.40, -78.14, 56.42
CIELCh	85, 96.384, 144.169
Yxy	66.7934, 0.2823, 0.5363
Android (android.graphics.Color)	4278253154 (0xFF00F662)
YUV	155.5740, -28.3840, -136.4384
Hunter-Lab	81.7272, -66.2320, 40.8191

# Details

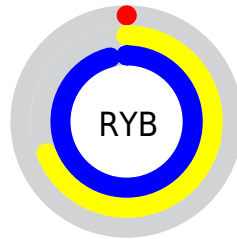
The Yxy color **66.7934, 0.2823, 0.5363** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **21.7323, 0.4563, 0.2287**, and the grayscale version is **33.2090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3973, 0.2878, 0.4597**, and **36.1336, 0.2933, 0.5760** is the 20% darker color. If you saturate the color by 10%, you get **66.7968, 0.2823, 0.5363**, and if you desaturate by 10%, it is **67.3043, 0.2788, 0.5167**.

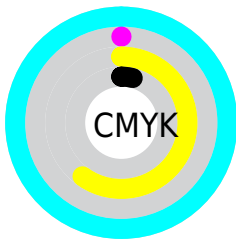
# Distribution



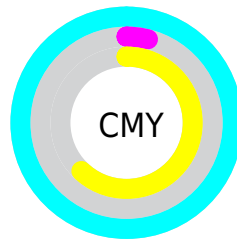
- Red (0%)
- Green (96%)
- Blue (38%)



- Red (0%)
- Yellow (69%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (4%)




- Cyan (100%)
- Magenta (4%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7934, 0.2823, 0.5363 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 66.7934, 0.2823, 0.5363 by changing the saturation by 10% instead.




 66.7934, 0.2823,  
0.5363

 66.7934, 0.2823,  
0.5363


449.2090, 0.3032,  
0.4300


 48.9167, 0.2754,  
0.5625


 114.6243, 0.2912,  
0.4977

 34.5534, 0.2658,  
0.5955


 145.3474, 0.2941,  
0.4831

 23.3191, 0.2518,  
0.6378

 181.1214, 0.2965,  
0.4708

 14.8293, 0.2305,  
0.6927

 222.3307, 0.2984,  
0.4603

 8.6997, 0.1991,  
0.7723

 269.3597, 0.2999,  
0.4512

 4.5458, 0.1440,  
0.8560

322.5928, 0.3012,

 1.9833, 0.0000,

0.4432

1.0000

382.4145, 0.3023,  
0.4362

■ 0.5978, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.7934, 0.2823,  
0.5363

■ 66.7934, 0.2823,  
0.5363

■ 66.7968, 0.2823,  
0.5363

■ 67.3043, 0.2788,  
0.5167

■ 68.1210, 0.2768,  
0.4949

■ 69.3280, 0.2767,  
0.4716

■ 70.9753, 0.2785,  
0.4479

■ 73.1048, 0.2820,  
0.4244

■ 75.7534, 0.2868,  
0.4019

■ 78.9543, 0.2925,  
0.3809

■ 82.7378, 0.2990,  
0.3617

■ 87.1320, 0.3058,  
0.3444

# Harmonies

## Analogous

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



66.7934, 0.3870, 0.5408



66.7934, 0.2823, 0.5363



66.7934, 0.1909, 0.4223

# Triad

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



66.7934, 0.2823, 0.5363



66.7934, 0.1497, 0.1686



66.7934, 0.5225, 0.3172

# Complementary

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



66.7934, 0.2823, 0.5363



21.7323, 0.4563, 0.2287

# 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.



66.7934, 0.4302, 0.2497



66.7934, 0.2823, 0.5363



66.7934, 0.2078, 0.1687

# Square

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



66.7934, 0.2823, 0.5363



66.7934, 0.1274, 0.2030



66.7934, 0.3067, 0.1970



66.7934, 0.5360, 0.3918



# Rectangle

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



66.7934, 0.2823, 0.5363



66.7934, 0.1512, 0.3275



66.7934, 0.3067, 0.1970



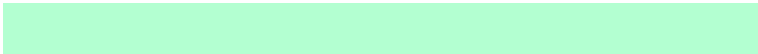
66.7934, 0.4993, 0.2937

# Sweetspot

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



66.7968, 0.2823, 0.5363



85.6464, 0.2925, 0.3811



72.5619, 0.3527, 0.5582



18.0020, 0.2900, 0.3897



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.



66.7968, 0.2823, 0.5363



72.4710, 0.2824, 0.5366



70.9407, 0.2351, 0.3664



18.5814, 0.3061, 0.3436



35.6775, 0.2815, 0.5332



3.1554, 0.2745, 0.5082



# Inverse Universe

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



21.7323, 0.4563, 0.2287



23.5739, 0.4566, 0.2289



19.6811, 0.6284, 0.3235



16.6500, 0.3199, 0.3149



11.6277, 0.4534, 0.2272



1.0422, 0.4323, 0.2155



# Previews

## White Background



This preview shows how the Yxy color 66.7934, 0.2823, 0.5363 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

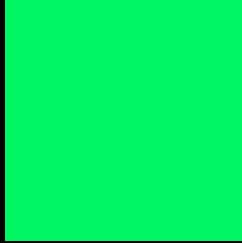
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.7934, 0.2823, 0.5363 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

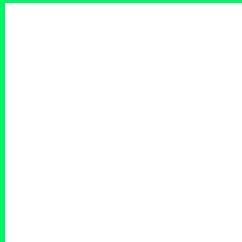
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.7934, 0.2823, 0.5363**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7934, 0.2823, 0.5363.

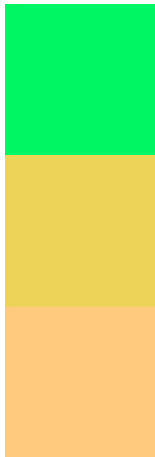


This preview shows how white text looks on a background with the Yxy color 66.7934, 0.2823, 0.5363.

# 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

66.7934, 0.2823, 0.5363

### Protanopia

65.4537, 0.4144, 0.4553

### Deuteranopia

64.9817, 0.4142, 0.4074



## Tritanopia

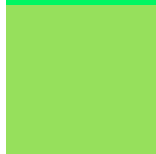
66.5881, 0.2336, 0.3067

# Trichromacy



## Original Color

66.7934, 0.2823, 0.5363



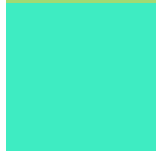
## Protanomaly

60.5680, 0.3391, 0.4990



## Deuteranomaly

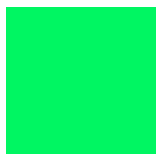
59.0620, 0.3378, 0.4633



## Tritanomaly

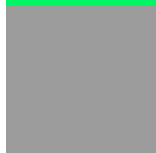
64.9101, 0.2483, 0.3864

# Monochromacy



## Original Color

66.7934, 0.2823, 0.5363



## Achromatopsia

33.2452, 0.3127, 0.3290



## Achromatomaly

40.7971, 0.2833, 0.4169

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  66.7934, 0.2823, 0.5363 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, 246, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 246, 98)  
}
```

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, 246, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 246, 98) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7934, 0.2823, 0.5363 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, 246, 98) }
```

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

```
.border{ border-color:rgb(0, 246, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 246, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 246, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 246, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 246, 98)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 66.7934, 0.2823, 0.5363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 246, 98) }
```

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

```
.background{ background-color: rgb(0, 246,  
98) }
```

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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