

# Converting Colors

$Yxy(66.5054, 0.2642, 0.4940)$

Have a look what the booklet for  
Yxy(66.5054, 0.2642, 0.4940)  
contains.

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# Color

**Yxy(66.9435, 0.2699, 0.4917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F583
RGB	0, 245, 131
RGB Percent	0%, 96%, 51%
CMY	1.0000, 0.0392, 0.4863
CMYK	1.00, 0.00, 0.47, 0.04
HSL	152°, 100%, 48%
HSV	152°, 100%, 96%
XYZ	36.7461, 66.9435, 32.4575
YIQ	158.7490, -109.4260, -87.3940

# Conversions

## Conversions Part 2

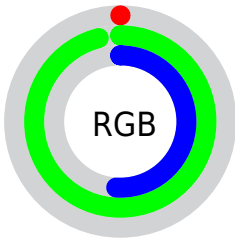
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 160, 245
Decimal	62851
CIELab	85.48, -73.15, 41.36
CIELCh	85, 84.029, 150.518
Yxy	66.9435, 0.2699, 0.4917
Android (android.graphics.Color)	4278252931 (0xFF00F583)
YUV	158.7490, -13.6803, -139.2229
Hunter-Lab	81.8190, -63.0164, 33.7531

# Details

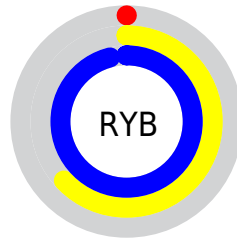
The Yxy color **66.9435, 0.2699, 0.4917** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **20.6289, 0.5146, 0.2609**, and the grayscale version is **34.6535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5335, 0.2727, 0.4173**, and **36.1052, 0.2794, 0.5260** is the 20% darker color. If you saturate the color by 10%, you get **66.9482, 0.2699, 0.4917**, and if you desaturate by 10%, it is **67.4750, 0.2669, 0.4745**.

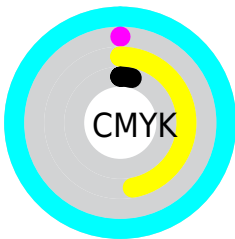
# Distribution



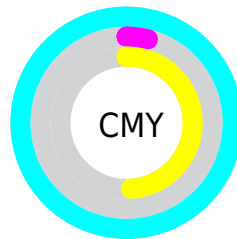
- Red (0%)
- Green (96%)
- Blue (51%)



- Red (0%)
- Yellow (63%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (4%)




- Cyan (100%)
- Magenta (4%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9435, 0.2699, 0.4917 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 66.9435, 0.2699, 0.4917 by changing the saturation by 10% instead.





 66.9435, 0.2699,  
0.4917

 66.9435, 0.2699,  
0.4917


449.7436, 0.2939,  
0.4085

 49.0387, 0.2632,  
0.5126


 114.8394, 0.2791,  
0.4613

 34.6502, 0.2544,  
0.5393


 145.5994, 0.2825,  
0.4499


 23.3935, 0.2421,  
0.5744


 181.4132, 0.2852,  
0.4403

 14.8844, 0.2243,  
0.6221

 222.6652, 0.2875,  
0.4320

 8.7383, 0.1971,  
0.6887

 269.7399, 0.2895,  
0.4249

 4.5709, 0.1587,  
0.8095


323.0216, 0.2911,

 1.9977, 0.0000,


0.4187

1.0000


382.8947, 0.2926,  
0.4133


 0.6062, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 66.9435, 0.2699,  
0.4917


 66.9435, 0.2699,  
0.4917


 66.9482, 0.2699,  
0.4917


 67.4750, 0.2669,  
0.4745


 68.2890, 0.2656,  
0.4565


 69.4697, 0.2664,  
0.4380


 71.0649, 0.2692,  
0.4196

 73.1150, 0.2738,  
0.4017

 75.6553, 0.2799,  
0.3847

 78.7177, 0.2871,  
0.3687

 82.3310, 0.2952,  
0.3541

 86.5222, 0.3038,  
0.3409

# Harmonies

## Analogous

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



66.9435, 0.3642, 0.5214



66.9435, 0.2699, 0.4917



66.9435, 0.1924, 0.3840

# Triad

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



66.9435, 0.2699, 0.4917



66.9435, 0.1741, 0.1822



66.9435, 0.5057, 0.3361

# Complementary

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



66.9435, 0.2699, 0.4917



20.6289, 0.5146, 0.2609

# 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.



66.9435, 0.4370, 0.2714



66.9435, 0.2699, 0.4917



66.9435, 0.2356, 0.1875

# Square

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



66.9435, 0.2699, 0.4917



66.9435, 0.1467, 0.2079



66.9435, 0.3308, 0.2188



66.9435, 0.5065, 0.4064



# Rectangle

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



66.9435, 0.2699, 0.4917



66.9435, 0.1608, 0.3067



66.9435, 0.3308, 0.2188



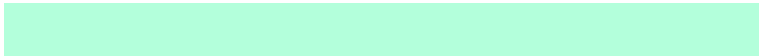
66.9435, 0.4898, 0.3137

# Sweetspot

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



66.9482, 0.2699, 0.4917



86.1800, 0.2871, 0.3688



68.9095, 0.3310, 0.5754



18.1278, 0.2839, 0.3754



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.



66.9482, 0.2699, 0.4917



73.3074, 0.2700, 0.4920



67.0692, 0.2218, 0.3184



18.6202, 0.3043, 0.3402



36.0921, 0.2692, 0.4889



3.1929, 0.2631, 0.4672



# Inverse Universe

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



20.6289, 0.5146, 0.2609



22.5836, 0.5151, 0.2611



19.5911, 0.6384, 0.3313



16.6108, 0.3220, 0.3180



11.1398, 0.5107, 0.2587

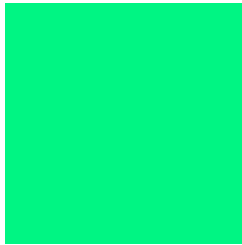


0.9996, 0.4808, 0.2422



# Previews

## White Background



This preview shows how the Yxy color 66.9435, 0.2699, 0.4917 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 66.9435, 0.2699, 0.4917 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

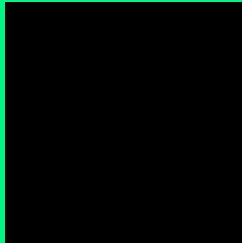
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.9435, 0.2699, 0.4917**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9435, 0.2699, 0.4917.

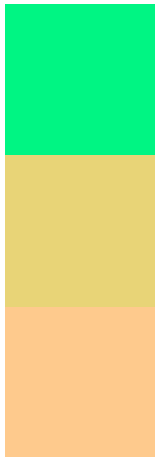


This preview shows how white text looks on a background with the Yxy color 66.9435, 0.2699, 0.4917.

# 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

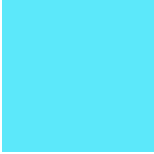
66.9435, 0.2699, 0.4917

### Protanopia

65.5747, 0.3940, 0.4295

### Deuteranopia

65.2350, 0.4017, 0.3923



## **Tritanopia**

66.8907, 0.2317, 0.3067

# Trichromacy



## Original Color

66.9435, 0.2699, 0.4917



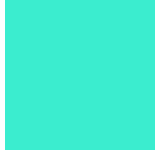
## Protanomaly

61.0373, 0.3221, 0.4632



## Deuteranomaly

59.6303, 0.3248, 0.4354



## Tritanomaly

66.0032, 0.2424, 0.3691

# Monochromacy



## Original Color

66.9435, 0.2699, 0.4917



## Achromatopsia

34.6704, 0.3127, 0.3290



## Achromatomaly

41.7635, 0.2757, 0.3943

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9435, 0.2699, 0.4917 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, 245, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 131)  
}
```

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, 245, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9435, 0.2699, 0.4917 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, 245, 131) }
```

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

```
.border{ border-color:rgb(0, 245, 131) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9435, 0.2699, 0.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 131) }
```

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

```
.background{ background-color: rgb(0, 245,  
131) }
```

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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