

# Converting Colors

Yxy(67.4081, 0.2618, 0.4626)

Have a look what the booklet for  
Yxy(67.4081, 0.2618, 0.4626)  
contains.

<b>Yxy(67.5392, 0.2618, 0.4624)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(67.5392, 0.2618, 0.4624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F597
RGB	0, 245, 151
RGB Percent	0%, 96%, 59%
CMY	0.9986, 0.0392, 0.4080
CMYK	1.00, 0.00, 0.38, 0.04
HSL	157°, 100%, 48%
HSV	157°, 100%, 96%
XYZ	38.2391, 67.5392, 40.2840
YIQ	161.0290, -115.8460, -81.1740

# Conversions

## Conversions Part 2

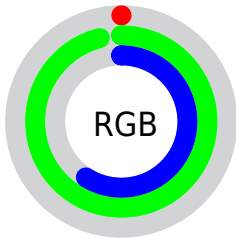
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 152, 245
Decimal	62871
CIELab	85.78, -69.57, 31.90
CIELCh	86, 76.538, 155.370
Yxy	67.5392, 0.2618, 0.4624
Android (android.graphics.Color)	4278252951 (0xFF00F597)
YUV	161.0290, -4.9443, -141.2224
Hunter-Lab	82.1822, -60.7635, 28.4649

# Details

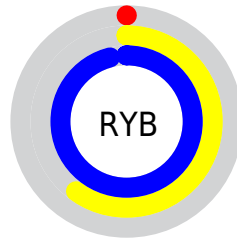
The Yxy color **67.5392, 0.2618, 0.4624** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **20.2358, 0.5481, 0.2794**, and the grayscale version is **35.7694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4869, 0.2632, 0.3894**, and **36.4415, 0.2697, 0.4908** is the 20% darker color. If you saturate the color by 10%, you get **67.5352, 0.2618, 0.4626**, and if you desaturate by 10%, it is **68.0627, 0.2594, 0.4478**.

# Distribution



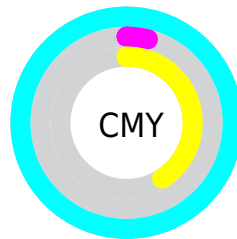
- Red (0%)
- Green (96%)
- Blue (59%)



- Red (0%)
- Yellow (60%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (4%)




- Cyan (100%)
- Magenta (4%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5392, 0.2618, 0.4624 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 67.5392, 0.2618, 0.4624 by changing the saturation by 10% instead.



 67.5392, 0.2618,  
0.4624

 67.5392, 0.2618,  
0.4624


451.8616, 0.2882,  
0.3948


 49.5229, 0.2550,  
0.4793


 115.6927, 0.2716,  
0.4377


 35.0345, 0.2462,  
0.5010


 146.5987, 0.2752,  
0.4285


 23.6894, 0.2345,  
0.5297


 182.5701, 0.2782,  
0.4207

 15.1034, 0.2180,  
0.5690

 223.9913, 0.2808,  
0.4140

 8.8920, 0.1938,  
0.6254

 271.2466, 0.2831,  
0.4082

 4.6708, 0.1560,  
0.7106

324.7206, 0.2850,

 2.0554, 0.0000,

0.4031

1.0000

384.7974, 0.2867,  
0.3987

■ 0.6394, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.5392, 0.2618,  
0.4624

■ 67.5392, 0.2618,  
0.4624


■ 67.5352, 0.2618,  
0.4626


■ 68.0627, 0.2594,  
0.4478

■ 68.8629, 0.2588,  
0.4329


■ 70.0200, 0.2603,  
0.4177


■ 71.5812, 0.2637,  
0.4027

 73.5864, 0.2690,  
0.3882

 76.0705, 0.2759,  
0.3744

 79.0647, 0.2841,  
0.3614

 82.5978, 0.2931,  
0.3495

 86.6961, 0.3028,  
0.3386

# Harmonies

## Analogous

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



67.5392, 0.3485, 0.5046



67.5392, 0.2618, 0.4624



67.5392, 0.1940, 0.3618

# Triad

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



67.5392, 0.2618, 0.4624



67.5392, 0.1915, 0.1919



67.5392, 0.4933, 0.3483

# Complementary

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



67.5392, 0.2618, 0.4624



20.2358, 0.5481, 0.2794

# 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.



67.5392, 0.4394, 0.2859



67.5392, 0.2618, 0.4624



67.5392, 0.2547, 0.2008

# Square

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



67.5392, 0.2618, 0.4624



67.5392, 0.1605, 0.2117



67.5392, 0.3458, 0.2339



67.5392, 0.4863, 0.4145



# Rectangle

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



67.5392, 0.2618, 0.4624



67.5392, 0.1677, 0.2951



67.5392, 0.3458, 0.2339



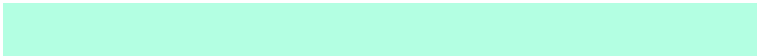
67.5392, 0.4819, 0.3268

# Sweetspot

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



67.5419, 0.2618, 0.4624



86.5130, 0.2839, 0.3617



67.9157, 0.3230, 0.5817



18.2069, 0.2803, 0.3670



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.



67.5419, 0.2618, 0.4624



73.9538, 0.2619, 0.4629



58.0642, 0.2158, 0.2968



18.6435, 0.3032, 0.3383



36.4096, 0.2612, 0.4602



3.2201, 0.2561, 0.4419



# Inverse Universe

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



20.2358, 0.5481, 0.2794



22.1421, 0.5490, 0.2798



20.1013, 0.6335, 0.3351



16.5879, 0.3233, 0.3199



10.9199, 0.5443, 0.2772

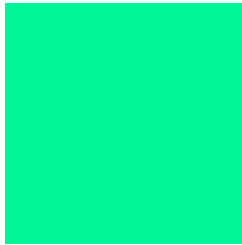


0.9792, 0.5106, 0.2586



# Previews

## White Background



This preview shows how the Yxy color 67.5392, 0.2618, 0.4624 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 67.5392, 0.2618, 0.4624 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

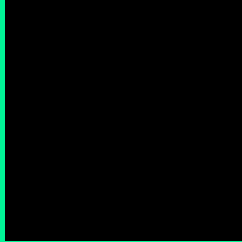
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

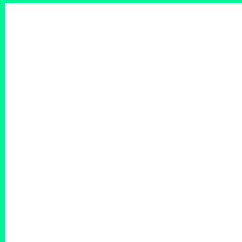
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.5392, 0.2618, 0.4624**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.5392, 0.2618, 0.4624.

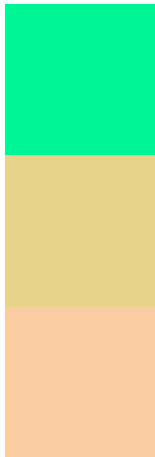


This preview shows how white text looks on a background with the Yxy color 67.5392, 0.2618, 0.4624.

# 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

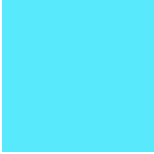
67.5392, 0.2618, 0.4624

### Protanopia

65.9109, 0.3805, 0.4105

### Deuteranopia

66.0829, 0.3823, 0.3745



## **Tritanopia**

67.3808, 0.2300, 0.3055

# Trichromacy



## Original Color

67.5392, 0.2618, 0.4624



## Protanomaly

61.4975, 0.3102, 0.4371



## Deuteranomaly

60.4683, 0.3103, 0.4104



## Tritanomaly

66.3154, 0.2385, 0.3580

# Monochromacy



## Original Color

67.5392, 0.2618, 0.4624



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

43.0172, 0.2722, 0.3836

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.5392, 0.2618, 0.4624 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 67.5392, 0.2618, 0.4624 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, 151) }
```

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

```
.border{ border-color:rgb(0, 245, 151) }
```

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, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.5392, 0.2618, 0.4624 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, 151) }
```

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

```
.background{ background-color: rgb(0, 245,  
151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor