

# Converting Colors

$Y_{xy}(67.2789, 0.2706, 0.4865)$

Have a look what the booklet for  
Yxy(67.2789, 0.2706, 0.4865)  
contains.

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# Color

**Yxy(67.2591, 0.2706, 0.4866)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1BF586
RGB	27, 245, 134
RGB Percent	11%, 96%, 53%
CMY	0.8948, 0.0392, 0.4745
CMYK	0.89, 0.00, 0.45, 0.04
HSL	149°, 92%, 53%
HSV	149°, 89%, 96%
XYZ	37.4030, 67.2591, 33.5604
YIQ	167.1640, -94.2970, -80.7370

# Conversions

## Conversions Part 2

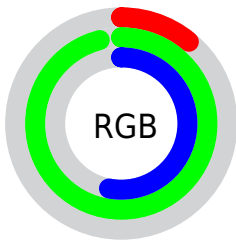
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">27, 173, 245</a>
Decimal	<a href="#">1832326</a>
CIELab	<a href="#">85.63, -71.68, 40.13</a>
CIELCh	<a href="#">86, 82.148, 150.755</a>
Yxy	<a href="#">67.2591, 0.2706, 0.4866</a>
Android (android.graphics.Color)	<a href="#">4280022406 (0xFF1BF586)</a>
YUV	<a href="#">167.1640, -16.3499, -122.9238</a>
Hunter-Lab	<a href="#">82.0116, -62.1119, 33.1458</a>

# Details

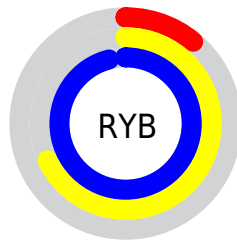
The Yxy color **67.2591, 0.2706, 0.4866** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **22.0199, 0.4703, 0.2430**, and the grayscale version is **38.8171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0024, 0.2733, 0.4128**, and **36.1498, 0.2781, 0.5210** is the 20% darker color. If you saturate the color by 10%, you get **66.7186, 0.2738, 0.5050**, and if you desaturate by 10%, it is **68.1120, 0.2692, 0.4671**.

# Distribution



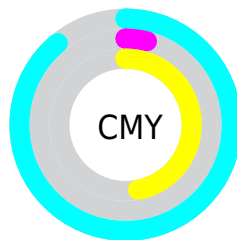
- Red (11%)
- Green (96%)
- Blue (53%)



- Red (11%)
- Yellow (68%)
- Blue (96%)



- Cyan (89%)
- Magenta (0%)
- Yellow (45%)
- Black (4%)




- Cyan (89%)
- Magenta (4%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2591, 0.2706, 0.4866 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 67.2591, 0.2706, 0.4866 by changing the saturation by 10% instead.





 67.2591, 0.2706,  
0.4866


 67.2591, 0.2706,  
0.4866


450.8665, 0.2940,  
0.4061


 49.2952, 0.2642,  
0.5068


 115.2916, 0.2796,  
0.4572


 34.8537, 0.2556,  
0.5326


 146.1290, 0.2828,  
0.4462


 23.5502, 0.2438,  
0.5665


 182.0264, 0.2855,  
0.4369

 15.0003, 0.2267,  
0.6126

 223.3681, 0.2877,  
0.4290

 8.8196, 0.2006,  
0.6773

 270.5386, 0.2897,  
0.4221

 4.6237, 0.1625,  
0.7890


323.9222, 0.2913,

 2.0282, 0.0000,


0.4161


1.0000


383.9034, 0.2927,  
0.4108


 0.6238, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000

 67.2591, 0.2706,  
0.4866


 67.2591, 0.2706,  
0.4866


 66.7186, 0.2738,  
0.5050


 68.1120, 0.2692,  
0.4671


 66.6748, 0.2741,  
0.5067


 69.3400, 0.2699,  
0.4469


 70.9931, 0.2725,  
0.4267


 73.1115, 0.2769,  
0.4071

 75.7304, 0.2827,  
0.3884

 78.8816, 0.2895,  
0.3710

 82.5942, 0.2971,  
0.3551

 86.8949, 0.3052,  
0.3407

 91.8091, 0.3135,  
0.3278

# Harmonies

## Analogous

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



67.2591, 0.3632, 0.5170



67.2591, 0.2706, 0.4866



67.2591, 0.1947, 0.3818

# Triad

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



67.2591, 0.2706, 0.4866



67.2591, 0.1771, 0.1849



67.2591, 0.5016, 0.3371

# Complementary

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



67.2591, 0.2706, 0.4866



22.0199, 0.4703, 0.2430

# 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.



67.2591, 0.4348, 0.2732



67.2591, 0.2706, 0.4866



67.2591, 0.2380, 0.1902

# Square

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



67.2591, 0.2706, 0.4866



67.2591, 0.1497, 0.2102



67.2591, 0.3314, 0.2213



67.2591, 0.5024, 0.4063



# Rectangle

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



67.2591, 0.2706, 0.4866



67.2591, 0.1635, 0.3068



67.2591, 0.3314, 0.2213



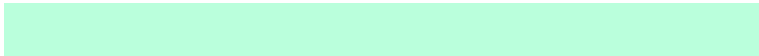
67.2591, 0.4861, 0.3150

# Sweetspot

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



67.2618, 0.2706, 0.4866



87.1435, 0.2910, 0.3677



70.9250, 0.3434, 0.5588



18.3761, 0.2885, 0.3734



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.



67.2618, 0.2706, 0.4866



73.0071, 0.2742, 0.5071



71.9140, 0.2273, 0.3333



18.6077, 0.3049, 0.3413



35.9439, 0.2733, 0.5038



3.1798, 0.2668, 0.4806



# Inverse Universe

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



22.0199, 0.4703, 0.2430



22.8649, 0.4963, 0.2508



20.2857, 0.6202, 0.3286



16.6233, 0.3214, 0.3170



11.2790, 0.4923, 0.2486

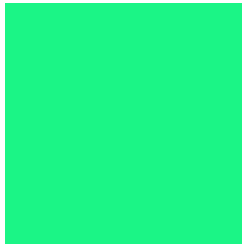


1.0121, 0.4650, 0.2335



# Previews

## White Background



This preview shows how the Yxy color 67.2591, 0.2706, 0.4866 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 67.2591, 0.2706, 0.4866 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 67.2591, 0.2706, 0.4866**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2591, 0.2706, 0.4866.

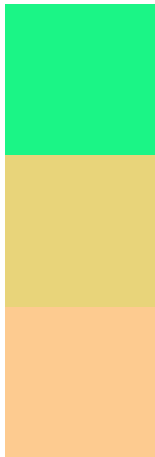


This preview shows how white text looks on a background with the Yxy color 67.2591, 0.2706, 0.4866.

# 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

67.2591, 0.2706, 0.4866

### Protanopia

65.6479, 0.3921, 0.4266

### Deuteranopia

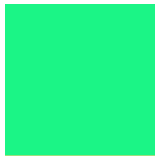
65.6081, 0.3981, 0.3905



## Tritanopia

67.0579, 0.2319, 0.3055

# Trichromacy



## Original Color

67.2591, 0.2706, 0.4866



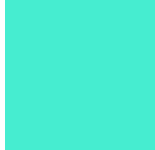
## Protanomaly

61.9858, 0.3267, 0.4569



## Deuteranomaly

60.6942, 0.3296, 0.4293



## Tritanomaly

66.4245, 0.2445, 0.3674

# Monochromacy



## Original Color

67.2591, 0.2706, 0.4866



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

45.1098, 0.2820, 0.3897

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.2591, 0.2706, 0.4866 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(27, 245, 134)` looks like.

```
.text, #text, p{  
    color:rgb(27, 245, 134)  
}
```

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(27, 245, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 245, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2591, 0.2706, 0.4866 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(27, 245, 134) }
```

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

```
.border{ border-color:rgb(27, 245, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 245, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 245, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 245, 134);  
box-shadow:4px 4px 4px 4px rgb(27, 245,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2591, 0.2706, 0.4866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 245, 134) }
```

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

```
.background{ background-color: rgb(27, 245,  
134) }
```

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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