

# Converting Colors

$Y_{xy}(66.8270, 0.2934, 0.5763)$

Have a look what the booklet for  
Yxy(66.8270, 0.2934, 0.5763)  
contains.

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# Color

**Yxy(66.8270, 0.2934, 0.5763)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F73A
RGB	0, 247, 58
RGB Percent	0%, 97%, 23%
CMY	1.0000, 0.0313, 0.7725
CMYK	1.00, 0.00, 0.77, 0.03
HSL	134°, 100%, 48%
HSV	134°, 100%, 97%
XYZ	34.0223, 66.8270, 15.1094
YIQ	151.6010, -86.5430, -111.1430

# Conversions

## Conversions Part 2

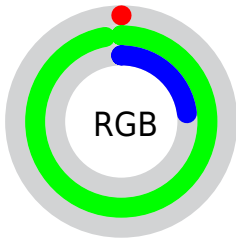
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 200, 247
Decimal	63290
CIELab	85.42, -82.13, 71.31
CIELCh	85, 108.766, 139.032
Yxy	66.8270, 0.2934, 0.5763
Android (android.graphics.Color)	4278253370 (0xFF00F73A)
YUV	151.6010, -46.1453, -132.9541
Hunter-Lab	81.7478, -68.7694, 46.2649

# Details

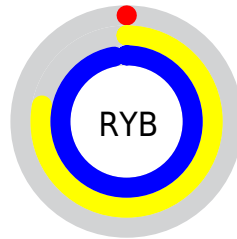
The Yxy color **66.8270, 0.2934, 0.5763** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **23.4493, 0.3924, 0.1935**, and the grayscale version is **31.4513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5410, 0.3037, 0.5027**, and **36.3952, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **66.8313, 0.2934, 0.5763**, and if you desaturate by 10%, it is **67.2632, 0.2906, 0.5587**.

# Distribution



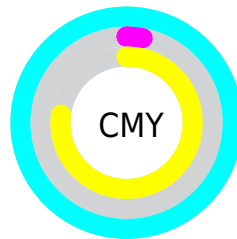
- Red (0%)
- Green (97%)
- Blue (23%)



- Red (0%)
- Yellow (78%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (3%)




- Cyan (100%)
- Magenta (3%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8270, 0.2934, 0.5763 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 66.8270, 0.2934, 0.5763 by changing the saturation by 10% instead.




 66.8270, 0.2934,  
0.5763


 66.8270, 0.2934,  
0.5763


449.3287, 0.3128,  
0.4508

 48.9440, 0.2857,  
0.6060

 114.6725, 0.3027,  
0.5314

 34.5751, 0.2744,  
0.6423


 145.4038, 0.3055,  
0.5143


 23.3358, 0.2573,  
0.6869


 181.1867, 0.3077,  
0.4997

 14.8416, 0.2319,  
0.7436

 222.4056, 0.3093,  
0.4871

 8.7083, 0.1916,  
0.8084

 269.4448, 0.3105,  
0.4762

 4.5514, 0.1282,  
0.8718

322.6888, 0.3115,

 1.9866, 0.0000,

0.4666

1.0000

382.5220, 0.3122,  
0.4582

■ 0.5996, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.8270, 0.2934,  
0.5763

■ 66.8270, 0.2934,  
0.5763

■ 66.8313, 0.2934,  
0.5763

■ 67.2632, 0.2906,  
0.5587


■ 68.0298, 0.2888,  
0.5361


■ 69.2168, 0.2884,  
0.5096


■ 70.8776, 0.2895,  
0.4809

 73.0576, 0.2918,  
0.4515

 75.7966, 0.2951,  
0.4228

 79.1303, 0.2991,  
0.3958

 83.0917, 0.3035,  
0.3710

 87.7111, 0.3081,  
0.3487

# Harmonies

## Analogous

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



66.8270, 0.4066, 0.5514



66.8270, 0.2934, 0.5763



66.8270, 0.1902, 0.4637

# Triad

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



66.8270, 0.2934, 0.5763



66.8270, 0.1290, 0.1570



66.8270, 0.5359, 0.2991

# Complementary

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



66.8270, 0.2934, 0.5763



23.4493, 0.3924, 0.1935

# 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.



66.8270, 0.4205, 0.2297



66.8270, 0.2934, 0.5763



66.8270, 0.1830, 0.1524

# Square

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



66.8270, 0.2934, 0.5763



66.8270, 0.1111, 0.1995



66.8270, 0.2829, 0.1776



66.8270, 0.5627, 0.3762



# Rectangle

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



66.8270, 0.2934, 0.5763



66.8270, 0.1432, 0.3511



66.8270, 0.2829, 0.1776



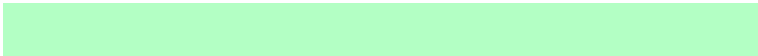
66.8270, 0.5051, 0.2749

# Sweetspot

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



66.8313, 0.2934, 0.5763



85.0511, 0.2991, 0.3959



77.3922, 0.3779, 0.5382



17.8636, 0.2973, 0.4071



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.



66.8313, 0.2934, 0.5763



71.8451, 0.2935, 0.5765



69.8676, 0.2499, 0.4195



18.5358, 0.3083, 0.3476



35.3608, 0.2927, 0.5738



3.1232, 0.2863, 0.5507



# Inverse Universe

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



23.4493, 0.3924, 0.1935



25.2051, 0.3926, 0.1936



20.1672, 0.5919, 0.3034



16.6978, 0.3174, 0.3111



12.4238, 0.3910, 0.1928

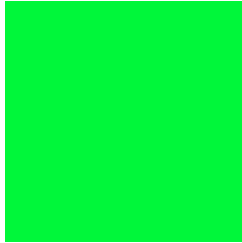


1.1076, 0.3803, 0.1869



# Previews

## White Background



This preview shows how the Yxy color 66.8270, 0.2934, 0.5763 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 66.8270, 0.2934, 0.5763 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 66.8270, 0.2934, 0.5763**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8270, 0.2934, 0.5763.

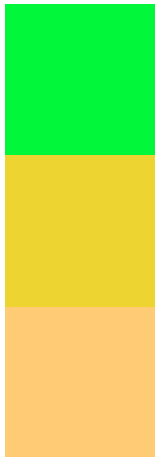


This preview shows how white text looks on a background with the Yxy color 66.8270, 0.2934, 0.5763.

# 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

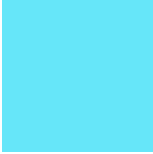
66.8270, 0.2934, 0.5763

### Protanopia

65.4859, 0.4324, 0.4771

### Deuteranopia

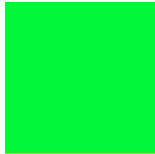
65.2562, 0.4191, 0.4156



## Tritanopia

66.2580, 0.2346, 0.3055

# Trichromacy



## Original Color

66.8270, 0.2934, 0.5763



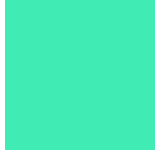
## Protanomaly

60.6777, 0.3541, 0.5331



## Deuteranomaly

59.1889, 0.3477, 0.4860



## Tritanomaly

64.4100, 0.2553, 0.4069

# Monochromacy



## Original Color

66.8270, 0.2934, 0.5763



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

39.3900, 0.2927, 0.4439

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  66.8270, 0.2934, 0.5763 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, 247, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 58)  
}
```

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, 247, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 58) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8270, 0.2934, 0.5763 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, 247, 58) }
```

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

```
.border{ border-color:rgb(0, 247, 58) }
```

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

Here you see how a box with a 4 pixel rgb(0, 247, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 58);  
box-shadow:4px 4px 4px 4px rgb(0, 247, 58)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 66.8270, 0.2934, 0.5763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 58) }
```

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

```
.background{ background-color: rgb(0, 247,  
58) }
```

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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