

Converting Colors

$Y_{xy}(68.3958, 0.2763, 0.5146)$

Have a look what the booklet for
Yxy(68.3958, 0.2763, 0.5146)
contains.

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Color

Yxy(68.3958, 0.2763, 0.5146)

Conversions

Conversions Part 1

Format	Color
Hex	00F874
RGB	0, 248, 116
RGB Percent	0%, 97%, 45%
CMY	0.9987, 0.0274, 0.5451
CMYK	1.00, 0.00, 0.53, 0.03
HSL	148°, 100%, 49%
HSV	148°, 100%, 97%
XYZ	36.7232, 68.3958, 27.7916
YIQ	158.8000, -105.4360, -93.6280

Conversions

Conversions Part 2

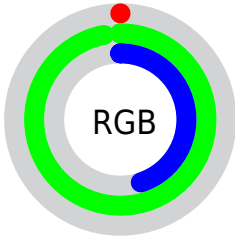
Format	Color
RYB	0, 169, 248
Decimal	63604
CIELab	86.20, -76.36, 49.35
CIELCh	86, 90.921, 147.129
Yxy	68.3958, 0.2763, 0.5146
Android (android.graphics.Color)	4278253684 (0xFF00F874)
YUV	158.8000, -21.1004, -139.2676
Hunter-Lab	82.7018, -65.4662, 37.9670

Details

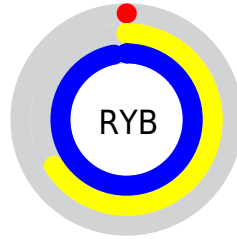
The Yxy color **68.3958, 0.2763, 0.5146** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **21.6389, 0.4853, 0.2448**, and the grayscale version is **34.7586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9997, 0.2800, 0.4372**, and **37.1858, 0.2867, 0.5521** is the 20% darker color. If you saturate the color by 10%, you get **68.3922, 0.2763, 0.5148**, and if you desaturate by 10%, it is **68.9347, 0.2729, 0.4958**.

Distribution



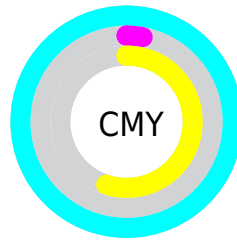
- Red (0%)
- Green (97%)
- Blue (45%)



- Red (0%)
- Yellow (66%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (3%)




- Cyan (100%)
- Magenta (3%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3958, 0.2763, 0.5146 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 68.3958, 0.2763, 0.5146 by changing the saturation by 10% instead.


 68.3958, 0.2763,
0.5146

 68.3958, 0.2763,
0.5146


454.8971, 0.2985,
0.4197


 50.2198, 0.2697,
0.5382


 116.9182, 0.2852,
0.4801

 35.5881, 0.2607,
0.5680


 148.0334, 0.2883,
0.4671

 24.1162, 0.2479,
0.6068


 184.2304, 0.2908,
0.4561

 15.4199, 0.2289,
0.6583

 225.8937, 0.2929,
0.4467

 9.1146, 0.1994,
0.7276

 273.4076, 0.2947,
0.4386

 4.8160, 0.1566,
0.8434

327.1565, 0.2961,

 2.1397, 0.0000,

0.4315

1.0000

387.5249, 0.2974,
0.4253

■ 0.6868, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.3958, 0.2763,
0.5146

■ 68.3958, 0.2763,
0.5146

■ 68.3922, 0.2763,
0.5148

■ 68.9347, 0.2729,
0.4958

■ 69.7781, 0.2713,
0.4756

■ 71.0094, 0.2716,
0.4546

■ 72.6783, 0.2739,
0.4334

■ 74.8270, 0.2779,
0.4127

■ 77.4922, 0.2833,
0.3930

■ 80.7071, 0.2899,
0.3746

■ 84.5020, 0.2972,
0.3577

■ 88.9051, 0.3049,
0.3424

Harmonies

Analogous

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



68.3958, 0.3761, 0.5323



68.3958, 0.2763, 0.5146



68.3958, 0.1916, 0.4029

Triad

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



68.3958, 0.2763, 0.5146



68.3958, 0.1614, 0.1751



68.3958, 0.5146, 0.3265

Complementary

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



68.3958, 0.2763, 0.5146



21.6389, 0.4853, 0.2448

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.



68.3958, 0.4339, 0.2602



68.3958, 0.2763, 0.5146



68.3958, 0.2212, 0.1777

Square

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



68.3958, 0.2763, 0.5146



68.3958, 0.1366, 0.2053



68.3958, 0.3186, 0.2075



68.3958, 0.5217, 0.3992

Rectangle

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



68.3958, 0.2763, 0.5146



68.3958, 0.1558, 0.3168



68.3958, 0.3186, 0.2075



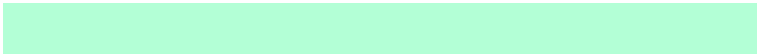
68.3958, 0.4950, 0.3035

Sweetspot

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



68.3986, 0.2763, 0.5146



85.9110, 0.2898, 0.3749



72.0758, 0.3401, 0.5681



18.0642, 0.2869, 0.3825



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.



68.3986, 0.2763, 0.5146



72.8543, 0.2764, 0.5151



73.4135, 0.2276, 0.3391



19.4442, 0.3052, 0.3419



36.9731, 0.2755, 0.5119



3.4455, 0.2692, 0.4893

Inverse Universe

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



21.6389, 0.4853, 0.2448



23.0347, 0.4859, 0.2450



19.9828, 0.6375, 0.3286



17.3799, 0.3210, 0.3164



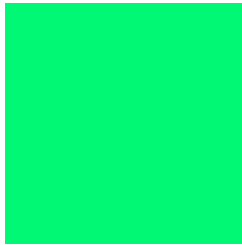
11.7116, 0.4823, 0.2430



1.1061, 0.4577, 0.2295

Previews

White Background



This preview shows how the Yxy color 68.3958, 0.2763, 0.5146 looks on a white background.

Color Contrast Check

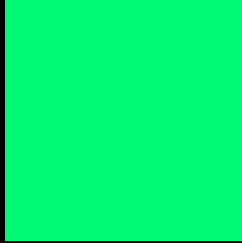
Large Text (above 18pt) WCAG AA × Fail

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 68.3958, 0.2763, 0.5146 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 68.3958, 0.2763, 0.5146

Background



This preview shows how black text looks on a background with the Yxy color 68.3958, 0.2763, 0.5146.

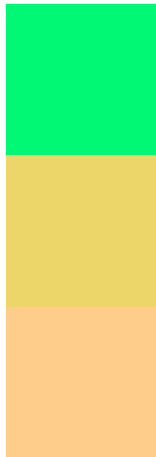


This preview shows how white text looks on a background with the Yxy color 68.3958, 0.2763, 0.5146.

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

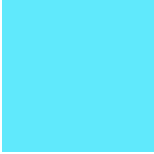
68.3958, 0.2763, 0.5146

Protanopia

66.9459, 0.4047, 0.4428

Deuteranopia

66.7867, 0.4025, 0.3969



Tritanopia

67.7929, 0.2324, 0.3057

Trichromacy



Original Color

68.3958, 0.2763, 0.5146



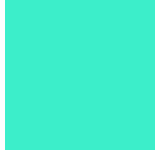
Protanomaly

61.9809, 0.3305, 0.4816



Deuteranomaly

61.0330, 0.3279, 0.4462



Tritanomaly

66.4530, 0.2448, 0.3759

Monochromacy



Original Color

68.3958, 0.2763, 0.5146



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

42.0115, 0.2797, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3958, 0.2763, 0.5146 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, 248, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 248, 116)  
}
```

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, 248, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 248, 116) }
```

Border

The CSS property to change the border of an element to Yxy 68.3958, 0.2763, 0.5146 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, 248, 116) }
```

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

```
.border{ border-color:rgb(0, 248, 116) }
```

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

Here you see how a box with a 4 pixel rgb(0, 248, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 248, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 248, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 248,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3958, 0.2763, 0.5146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 248, 116) }
```

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

```
.background{ background-color: rgb(0, 248,  
116) }
```

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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