

Converting Colors

$Yxy(67.9794, 0.2764, 0.5152)$

Have a look what the booklet for
Yxy(67.9794, 0.2764, 0.5152)
contains.

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Color

Yxy(67.7593, 0.2765, 0.5153)

Conversions

Conversions Part 1

Format	Color
Hex	00F773
RGB	0, 247, 115
RGB Percent	0%, 97%, 45%
CMY	0.9983, 0.0314, 0.5491
CMYK	1.00, 0.00, 0.53, 0.03
HSL	148°, 100%, 49%
HSV	148°, 100%, 97%
XYZ	36.3583, 67.7593, 27.3772
YIQ	158.0990, -104.8400, -93.4160

Conversions

Conversions Part 2

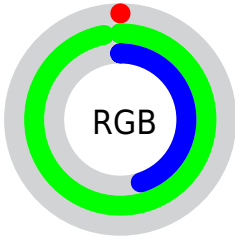
Format	Color
RYB	0, 169, 247
Decimal	63347
CIELab	85.89, -76.20, 49.43
CIELCh	86, 90.833, 147.029
Yxy	67.7593, 0.2765, 0.5153
Android (android.graphics.Color)	4278253427 (0xFF00F773)
YUV	158.0990, -21.2478, -138.6528
Hunter-Lab	82.3160, -65.2111, 37.9022

Details

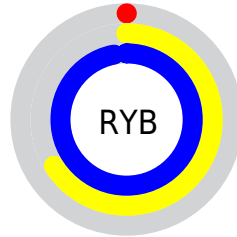
The Yxy color **67.7593, 0.2765, 0.5153** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **21.4615, 0.4841, 0.2441**, and the grayscale version is **34.4335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9620, 0.2805, 0.4385**, and **36.7430, 0.2869, 0.5529** is the 20% darker color. If you saturate the color by 10%, you get **67.7541, 0.2766, 0.5156**, and if you desaturate by 10%, it is **68.2942, 0.2731, 0.4964**.

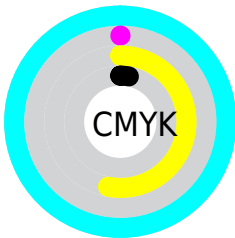
Distribution



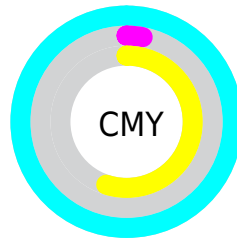
- Red (0%)
- Green (97%)
- Blue (45%)



- 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 67.7593, 0.2765, 0.5153 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 67.7593, 0.2765, 0.5153 by changing the saturation by 10% instead.


 67.7593, 0.2765,
0.5153

 67.7593, 0.2765,
0.5153


452.6427, 0.2987,
0.4199

 49.7019, 0.2699,
0.5390


 116.0077, 0.2854,
0.4805


 35.1766, 0.2608,
0.5691


 146.9676, 0.2885,
0.4675


 23.7990, 0.2479,
0.6082


 182.9971, 0.2910,
0.4565

 15.1846, 0.2287,
0.6602

 224.4806, 0.2931,
0.4470

 8.9490, 0.1989,
0.7302

 271.8025, 0.2949,
0.4389

 4.7079, 0.1550,
0.8450

325.3473, 0.2963,

 2.0769, 0.0000,

0.4318

1.0000

385.4992, 0.2976,
0.4255

■ 0.6516, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.7593, 0.2765,
0.5153

■ 67.7593, 0.2765,
0.5153


■ 67.7541, 0.2766,
0.5156

■ 68.2942, 0.2731,
0.4964


■ 69.1316, 0.2714,
0.4762

■ 70.3537, 0.2718,
0.4551


■ 72.0100, 0.2740,
0.4338

 74.1420, 0.2781,
0.4130

 76.7862, 0.2835,
0.3932

 79.9755, 0.2900,
0.3747

 83.7398, 0.2973,
0.3578

 88.1070, 0.3050,
0.3425

Harmonies

Analogous

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



67.7593, 0.3764, 0.5326



67.7593, 0.2765, 0.5153



67.7593, 0.1916, 0.4035

Triad

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



67.7593, 0.2765, 0.5153



67.7593, 0.1610, 0.1749



67.7593, 0.5148, 0.3262

Complementary

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



67.7593, 0.2765, 0.5153



21.4615, 0.4841, 0.2441

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.



67.7593, 0.4338, 0.2599



67.7593, 0.2765, 0.5153



67.7593, 0.2208, 0.1774

Square

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



67.7593, 0.2765, 0.5153



67.7593, 0.1363, 0.2052



67.7593, 0.3182, 0.2072



67.7593, 0.5222, 0.3990

Rectangle

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



67.7593, 0.2765, 0.5153



67.7593, 0.1556, 0.3172



67.7593, 0.3182, 0.2072



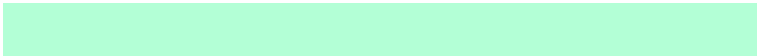
67.7593, 0.4951, 0.3032

Sweetspot

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



67.7621, 0.2765, 0.5153



85.9015, 0.2898, 0.3751



71.7605, 0.3426, 0.5661



18.0620, 0.2870, 0.3827



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.



67.7621, 0.2765, 0.5153



72.8394, 0.2766, 0.5159



72.5037, 0.2290, 0.3444



18.6002, 0.3052, 0.3420



35.8608, 0.2757, 0.5126



3.1724, 0.2691, 0.4887

Inverse Universe

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



21.4615, 0.4841, 0.2441



23.0525, 0.4848, 0.2445



19.8119, 0.6361, 0.3279



16.6309, 0.3209, 0.3164



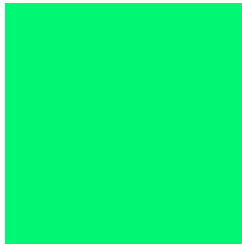
11.3715, 0.4811, 0.2424



1.0202, 0.4554, 0.2283

Previews

White Background



This preview shows how the Yxy color 67.7593, 0.2765, 0.5153 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 67.7593, 0.2765, 0.5153 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 67.7593, 0.2765, 0.5153

Background



This preview shows how black text looks on a background with the Yxy color 67.7593, 0.2765, 0.5153.

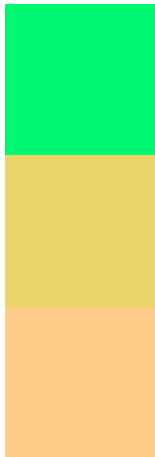


This preview shows how white text looks on a background with the Yxy color 67.7593, 0.2765, 0.5153.

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

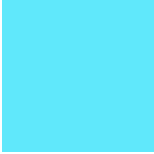
67.7593, 0.2765, 0.5153

Protanopia

66.2501, 0.4051, 0.4432

Deuteranopia

66.2233, 0.4052, 0.3989



Tritanopia

67.1651, 0.2325, 0.3056

Trichromacy



Original Color

67.7593, 0.2765, 0.5153



Protanomaly

61.4172, 0.3312, 0.4819



Deuteranomaly

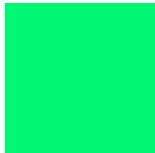
60.4263, 0.3299, 0.4491



Tritanomaly

65.8247, 0.2449, 0.3761

Monochromacy



Original Color

67.7593, 0.2765, 0.5153



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

41.5466, 0.2802, 0.4061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7593, 0.2765, 0.5153 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, 115)` looks like.

```
.text, #text, p{  
  color:rgb(0, 247, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 115) }
```

Border

The CSS property to change the border of an element to Yxy 67.7593, 0.2765, 0.5153 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, 115) }
```

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

```
.border{ border-color:rgb(0, 247, 115) }
```

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, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7593, 0.2765, 0.5153 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, 115) }
```

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

```
.background{ background-color: rgb(0, 247,  
115) }
```

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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