

Converting Colors

$Y_{xy}(67.3875, 0.2867, 0.5520)$

Have a look what the booklet for
Yxy(67.3875, 0.2867, 0.5520)
contains.

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Color

Yxy(67.1774, 0.2865, 0.5515)

Conversions

Conversions Part 1

Format	Color
Hex	00F755
RGB	0, 247, 85
RGB Percent	0%, 97%, 33%
CMY	1.0000, 0.0313, 0.6664
CMYK	1.00, 0.00, 0.66, 0.03
HSL	141°, 100%, 48%
HSV	141°, 100%, 97%
XYZ	34.8981, 67.1774, 19.7330
YIQ	154.6790, -95.2100, -102.7460

Conversions

Conversions Part 2

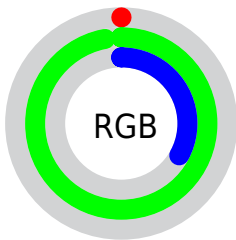
Format	Color
RYB	0, 184, 247
Decimal	63317
CIELab	85.59, -79.87, 61.98
CIELCh	86, 101.096, 142.188
Yxy	67.1774, 0.2865, 0.5515
Android (android.graphics.Color)	4278253397 (0xFF00F755)
YUV	154.6790, -34.3517, -135.6535
Hunter-Lab	81.9618, -67.4305, 43.0987

Details

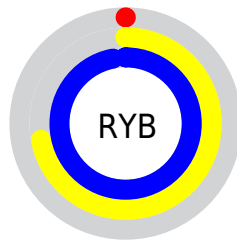
The Yxy color **67.1774, 0.2865, 0.5515** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **22.3823, 0.4341, 0.2165**, and the grayscale version is **32.8202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0879, 0.2935, 0.4750**, and **36.4493, 0.2978, 0.5921** is the 20% darker color. If you saturate the color by 10%, you get **67.1829, 0.2865, 0.5515**, and if you desaturate by 10%, it is **67.6736, 0.2831, 0.5319**.

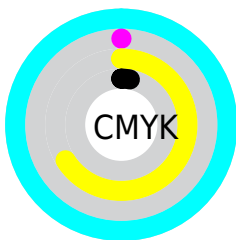
Distribution



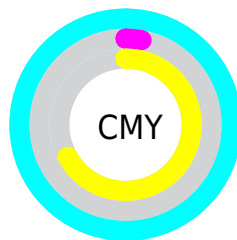
- Red (0%)
- Green (97%)
- Blue (33%)



- Red (0%)
- Yellow (72%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (3%)



- Cyan (100%)
- Magenta (3%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1774, 0.2865, 0.5515 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 67.1774, 0.2865, 0.5515 by changing the saturation by 10% instead.


 67.1774, 0.2865,
0.5515


 67.1774, 0.2865,
0.5515


450.5760, 0.3067,
0.4378

 49.2288, 0.2794,
0.5792


 115.1746, 0.2954,
0.5104


 34.8010, 0.2693,
0.6137

 145.9919, 0.2983,
0.4948


 23.5096, 0.2544,
0.6573


 181.8677, 0.3006,
0.4816

 14.9703, 0.2315,
0.7125

 223.1862, 0.3023,
0.4703

 8.7985, 0.2001,
0.7999

 270.3319, 0.3038,
0.4605

 4.6100, 0.1388,
0.8612


323.6892, 0.3049,

 2.0203, 0.0000,


0.4520

1.0000


383.6424, 0.3059,
0.4445


 0.6192, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 67.1774, 0.2865,
0.5515


 67.1774, 0.2865,
0.5515

 67.1829, 0.2865,
0.5515


 67.6736, 0.2831,
0.5319


 68.4840, 0.2810,
0.5093


 69.6973, 0.2807,
0.4846


 71.3645, 0.2822,
0.4590

 73.5287, 0.2852,
0.4334

 76.2279, 0.2895,
0.4088

 79.4963, 0.2947,
0.3858

 83.3651, 0.3005,
0.3648

 87.8631, 0.3065,
0.3458

Harmonies

Analogous

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



67.1774, 0.3944, 0.5456



67.1774, 0.2865, 0.5515



67.1774, 0.1906, 0.4370

Triad

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



67.1774, 0.2865, 0.5515



67.1774, 0.1418, 0.1642



67.1774, 0.5278, 0.3105

Complementary

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



67.1774, 0.2865, 0.5515



22.3823, 0.4341, 0.2165

Split Complementary

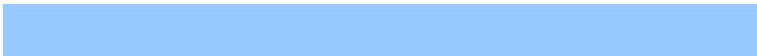
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.1774, 0.4270, 0.2422



67.1774, 0.2865, 0.5515



67.1774, 0.1984, 0.1625

Square

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



67.1774, 0.2865, 0.5515



67.1774, 0.1212, 0.2015



67.1774, 0.2980, 0.1896



67.1774, 0.5461, 0.3862

Rectangle

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



67.1774, 0.2865, 0.5515



67.1774, 0.1482, 0.3357



67.1774, 0.2980, 0.1896



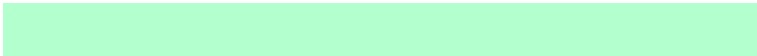
67.1774, 0.5018, 0.2867

Sweetspot

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



67.1829, 0.2865, 0.5515



85.4445, 0.2947, 0.3859



74.4903, 0.3608, 0.5517



17.9548, 0.2924, 0.3954



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.



67.1829, 0.2865, 0.5515



72.2215, 0.2866, 0.5518



70.9745, 0.2399, 0.3836



18.5662, 0.3069, 0.3449



35.5524, 0.2857, 0.5484



3.1433, 0.2787, 0.5233

Inverse Universe

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



22.3823, 0.4341, 0.2165



24.0570, 0.4344, 0.2166



19.9368, 0.6190, 0.3184



16.6657, 0.3191, 0.3136



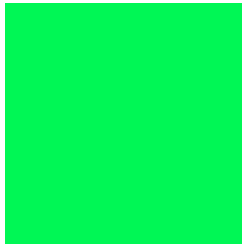
11.8642, 0.4317, 0.2152



1.0620, 0.4142, 0.2056

Previews

White Background



This preview shows how the Yxy color 67.1774, 0.2865, 0.5515 looks on a white background.

Color Contrast Check

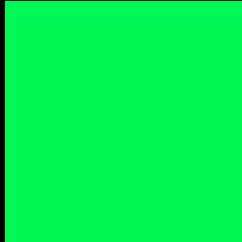
Large Text (above 18pt) WCAG AA × Fail

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 67.1774, 0.2865, 0.5515 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

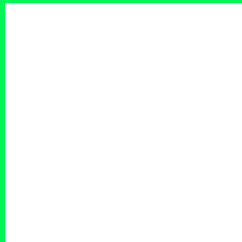
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.1774, 0.2865, 0.5515

Background



This preview shows how black text looks on a background with the Yxy color 67.1774, 0.2865, 0.5515.

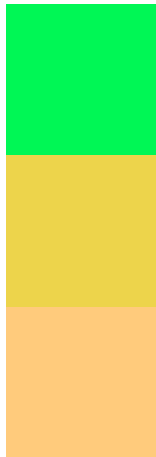


This preview shows how white text looks on a background with the Yxy color 67.1774, 0.2865, 0.5515.

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

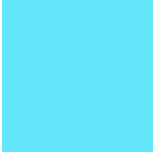
67.1774, 0.2865, 0.5515

Protanopia

65.5995, 0.4222, 0.4636

Deuteranopia

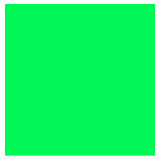
65.4271, 0.4143, 0.4093



Tritanopia

66.7633, 0.2338, 0.3056

Trichromacy



Original Color

67.1774, 0.2865, 0.5515



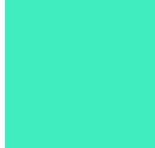
Protanomaly

60.9942, 0.3451, 0.5121



Deuteranomaly

59.4702, 0.3403, 0.4702



Tritanomaly

65.3761, 0.2509, 0.3933

Monochromacy



Original Color

67.1774, 0.2865, 0.5515



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

40.2308, 0.2864, 0.4242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1774, 0.2865, 0.5515 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 85) }
```

Border

The CSS property to change the border of an element to Yxy 67.1774, 0.2865, 0.5515 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, 85) }
```

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

```
.border{ border-color:rgb(0, 247, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 247, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 67.1774, 0.2865, 0.5515 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, 85) }
```

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

```
.background{ background-color: rgb(0, 247,  
85) }
```

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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