

Converting Colors

$Y_{xy}(69.5889, 0.2774, 0.5185)$

Have a look what the booklet for
Yxy(69.5889, 0.2774, 0.5185)
contains.

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Color

Yxy(69.5926, 0.2774, 0.5185)

Conversions

Conversions Part 1

Format	Color
Hex	01FA72
RGB	1, 250, 114
RGB Percent	0%, 98%, 45%
CMY	0.9976, 0.0196, 0.5529
CMYK	1.00, 0.00, 0.54, 0.02
HSL	147°, 100%, 49%
HSV	147°, 100%, 98%
XYZ	37.2324, 69.5926, 27.3941
YIQ	160.0450, -104.7480, -95.0840

Conversions

Conversions Part 2

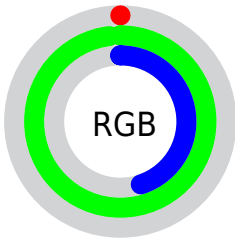
Format	Color
RYB	1, 172, 250
Decimal	129650
CIELab	86.80, -77.24, 50.98
CIELCh	87, 92.548, 146.577
Yxy	69.5926, 0.2774, 0.5185
Android (android.graphics.Color)	4278319730 (0xFF01FA72)
YUV	160.0450, -22.7002, -139.4825
Hunter-Lab	83.4222, -66.3220, 38.9259

Details

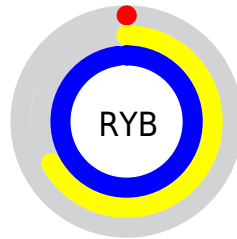
The Yxy color **69.5926, 0.2774, 0.5185** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **22.1338, 0.4798, 0.2418**, and the grayscale version is **35.2660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0294, 0.2809, 0.4384**, and **38.0362, 0.2877, 0.5557** is the 20% darker color. If you saturate the color by 10%, you get **69.5838, 0.2775, 0.5190**, and if you desaturate by 10%, it is **70.1401, 0.2740, 0.4995**.

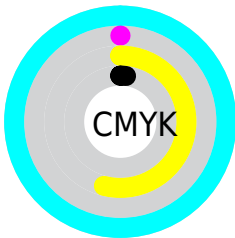
Distribution



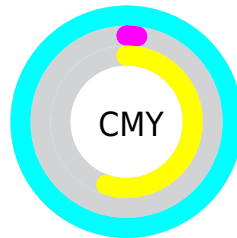
- Red (0%)
- Green (98%)
- Blue (45%)



- Red (0%)
- Yellow (67%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5926, 0.2774, 0.5185 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 69.5926, 0.2774, 0.5185 by changing the saturation by 10% instead.


 69.5926, 0.2774,
0.5185

 69.5926, 0.2774,
0.5185


459.1183, 0.2993,
0.4219

 51.1945, 0.2708,
0.5424


 118.6276, 0.2862,
0.4834

 36.3634, 0.2618,
0.5725


 150.0332, 0.2893,
0.4702


 24.7150, 0.2490,
0.6116


 186.5435, 0.2918,
0.4590

 15.8648, 0.2300,
0.6630

 228.5428, 0.2938,
0.4495

 9.4286, 0.2005,
0.7318

 276.4156, 0.2955,
0.4412

 5.0218, 0.1573,
0.8427

330.5461, 0.2970,

 2.2600, 0.0000,

0.4339

1.0000

391.3189, 0.2982,
0.4276

■ 0.7524, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 69.5926, 0.2774,
0.5185

■ 69.5926, 0.2774,
0.5185


■ 69.5838, 0.2775,
0.5190

■ 70.1401, 0.2740,
0.4995


■ 71.0017, 0.2723,
0.4789

■ 72.2609, 0.2725,
0.4575


■ 73.9687, 0.2747,
0.4358

 76.1680, 0.2787,
0.4146

 78.8966, 0.2840,
0.3943

 82.1882, 0.2904,
0.3755

 86.0738, 0.2976,
0.3582

 90.5821, 0.3051,
0.3426

Harmonies

Analogous

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



69.5926, 0.3781, 0.5339



69.5926, 0.2774, 0.5185



69.5926, 0.1915, 0.4063

Triad

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



69.5926, 0.2774, 0.5185



69.5926, 0.1592, 0.1740



69.5926, 0.5160, 0.3248

Complementary

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



69.5926, 0.2774, 0.5185



22.1338, 0.4798, 0.2418

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.



69.5926, 0.4333, 0.2583



69.5926, 0.2774, 0.5185



69.5926, 0.2188, 0.1761

Square

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



69.5926, 0.2774, 0.5185



69.5926, 0.1349, 0.2048



69.5926, 0.3165, 0.2056



69.5926, 0.5243, 0.3979

Rectangle

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



69.5926, 0.2774, 0.5185



69.5926, 0.1550, 0.3187



69.5926, 0.3165, 0.2056



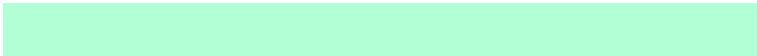
69.5926, 0.4958, 0.3017

Sweetspot

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



69.5954, 0.2774, 0.5185



85.8628, 0.2902, 0.3760



73.7623, 0.3426, 0.5661



18.0529, 0.2874, 0.3838



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.



69.5954, 0.2774, 0.5185



72.7798, 0.2775, 0.5191



74.5261, 0.2290, 0.3444



19.4405, 0.3053, 0.3422



36.9350, 0.2767, 0.5159



3.4419, 0.2703, 0.4930

Inverse Universe

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



22.1338, 0.4798, 0.2418



23.1255, 0.4806, 0.2421



20.3682, 0.6361, 0.3279



17.3836, 0.3208, 0.3161



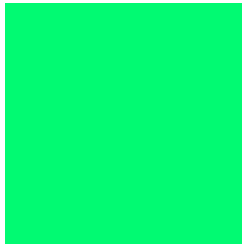
11.7577, 0.4771, 0.2402



1.1104, 0.4532, 0.2270

Previews

White Background



This preview shows how the Yxy color 69.5926, 0.2774, 0.5185 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 69.5926, 0.2774, 0.5185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

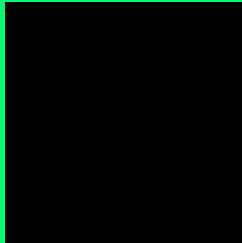
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.5926, 0.2774, 0.5185

Background



This preview shows how black text looks on a background with the Yxy color 69.5926, 0.2774, 0.5185.

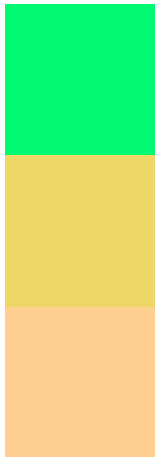


This preview shows how white text looks on a background with the Yxy color 69.5926, 0.2774, 0.5185.

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

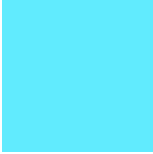
69.5926, 0.2774, 0.5185

Protanopia

67.7573, 0.4069, 0.4446

Deuteranopia

67.8993, 0.3979, 0.3939



Tritanopia

69.1138, 0.2324, 0.3058

Trichromacy



Original Color

69.5926, 0.2774, 0.5185



Protanomaly

63.2237, 0.3324, 0.4848



Deuteranomaly

62.1502, 0.3264, 0.4457



Tritanomaly

67.6561, 0.2456, 0.3783

Monochromacy



Original Color

69.5926, 0.2774, 0.5185



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

42.9479, 0.2806, 0.4083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5926, 0.2774, 0.5185 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(1, 250, 114)` looks like.

```
.text, #text, p{  
    color:rgb(1, 250, 114)  
}
```

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(1, 250, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 250, 114) }
```

Border

The CSS property to change the border of an element to Yxy 69.5926, 0.2774, 0.5185 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(1, 250, 114) }
```

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

```
.border{ border-color:rgb(1, 250, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 250, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 250, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 250, 114);  
box-shadow:4px 4px 4px 4px rgb(1, 250,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5926, 0.2774, 0.5185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 250, 114) }
```

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

```
.background{ background-color: rgb(1, 250,  
114) }
```

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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