

Converting Colors

$Yxy(69.5507, 0.2921, 0.5674)$

Have a look what the booklet for
Yxy(69.5507, 0.2921, 0.5674)
contains.

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Color

Yxy(69.5342, 0.2922, 0.5677)

Conversions

Conversions Part 1

Format	Color
Hex	10FB45
RGB	16, 251, 69
RGB Percent	6%, 98%, 27%
CMY	0.9355, 0.0157, 0.7295
CMYK	0.93, 0.00, 0.73, 0.02
HSL	133°, 97%, 52%
HSV	133°, 93%, 98%
XYZ	35.7898, 69.5342, 17.1600
YIQ	159.9870, -81.6380, -106.4220

Conversions

Conversions Part 2

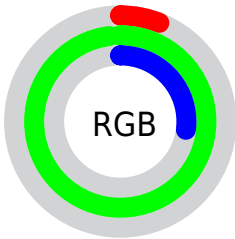
Format	Color
RYB	16, 208, 251
Decimal	1112901
CIELab	86.77, -81.91, 69.15
CIELCh	87, 107.197, 139.825
Yxy	69.5342, 0.2922, 0.5677
Android (android.graphics.Color)	4279302981 (0xFF10FB45)
YUV	159.9870, -44.8566, -126.2766
Hunter-Lab	83.3872, -69.3152, 46.1699

Details

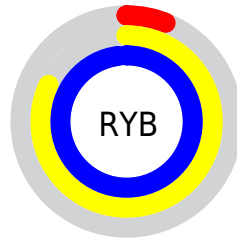
The Yxy color **69.5342, 0.2922, 0.5677** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **24.9915, 0.3831, 0.1906**, and the grayscale version is **35.4491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9742, 0.3014, 0.4915**, and **38.1399, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.2813, 0.2940, 0.5784**, and if you desaturate by 10%, it is **70.1884, 0.2900, 0.5470**.

Distribution



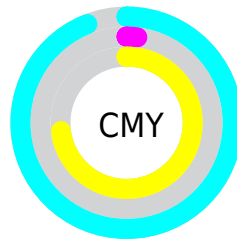
- Red (6%)
- Green (98%)
- Blue (27%)



- Red (6%)
- Yellow (82%)
- Blue (98%)



- Cyan (93%)
- Magenta (0%)
- Yellow (73%)
- Black (2%)




- Cyan (94%)
- Magenta (2%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5342, 0.2922, 0.5677 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 69.5342, 0.2922, 0.5677 by changing the saturation by 10% instead.


 69.5342, 0.2922,
0.5677


 69.5342, 0.2922,
0.5677

458.9128, 0.3112,
0.4470

 51.1469, 0.2850,
0.5963


 118.5443, 0.3011,
0.5246


 36.3255, 0.2744,
0.6314


 149.9358, 0.3038,
0.5081

 24.6857, 0.2587,
0.6749


 186.4308, 0.3059,
0.4941

 15.8431, 0.2347,
0.7284

 228.4138, 0.3075,
0.4820

 9.4132, 0.1994,
0.8006

 276.2691, 0.3088,
0.4715

 5.0116, 0.1402,
0.8598


330.3811, 0.3098,

 2.2541, 0.0000,

0.4623


1.0000


391.1342, 0.3106,
0.4542


 0.7492, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.5342, 0.2922,
0.5677


 69.5342, 0.2922,
0.5677

 69.2813, 0.2940,
0.5784

 70.1884, 0.2900,
0.5470

 71.2555, 0.2891,
0.5217

 72.7986, 0.2897,
0.4934

 74.8676, 0.2915,
0.4637

■ 77.5058, 0.2944,
0.4342

■ 80.7521, 0.2981,
0.4061

■ 84.6418, 0.3023,
0.3800

■ 89.2076, 0.3067,
0.3565

■ 94.4797, 0.3112,
0.3356

Harmonies

Analogous

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



69.5342, 0.4034, 0.5488



69.5342, 0.2922, 0.5677



69.5342, 0.1914, 0.4554

Triad

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



69.5342, 0.2922, 0.5677



69.5342, 0.1333, 0.1598



69.5342, 0.5321, 0.3025

Complementary

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



69.5342, 0.2922, 0.5677



24.9915, 0.3831, 0.1906

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.



69.5342, 0.4215, 0.2336



69.5342, 0.2922, 0.5677



69.5342, 0.1878, 0.1560

Square

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



69.5342, 0.2922, 0.5677



69.5342, 0.1148, 0.2010



69.5342, 0.2871, 0.1816



69.5342, 0.5568, 0.3791

Rectangle

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



69.5342, 0.2922, 0.5677



69.5342, 0.1457, 0.3470



69.5342, 0.2871, 0.1816



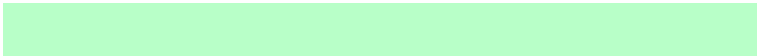
69.5342, 0.5028, 0.2785

Sweetspot

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



69.5371, 0.2922, 0.5677



85.8121, 0.3003, 0.3916



81.3363, 0.3823, 0.5319



18.0056, 0.2986, 0.4031



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.



69.5371, 0.2922, 0.5677



71.8165, 0.2940, 0.5785



72.5911, 0.2505, 0.4187



19.3729, 0.3085, 0.3479



36.4353, 0.2933, 0.5760



3.3898, 0.2874, 0.5545

Inverse Universe

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



24.9915, 0.3831, 0.1906



25.3321, 0.3887, 0.1915



21.5158, 0.5676, 0.2940



17.4541, 0.3172, 0.3108



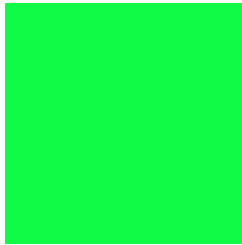
12.8695, 0.3873, 0.1907



1.2077, 0.3777, 0.1854

Previews

White Background



This preview shows how the Yxy color 69.5342, 0.2922, 0.5677 looks on a white background.

Color Contrast Check

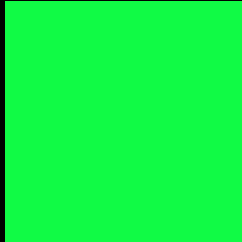
Large Text (above 18pt) WCAG AA × Fail

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 69.5342, 0.2922, 0.5677 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 69.5342, 0.2922, 0.5677

Background



This preview shows how black text looks on a background with the Yxy color 69.5342, 0.2922, 0.5677.

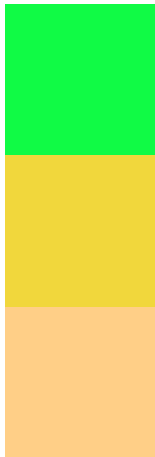


This preview shows how white text looks on a background with the Yxy color 69.5342, 0.2922, 0.5677.

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

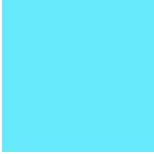
69.5342, 0.2922, 0.5677

Protanopia

67.6279, 0.4290, 0.4726

Deuteranopia

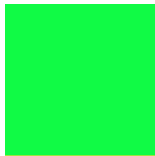
67.6349, 0.4044, 0.4027



Tritanopia

68.8805, 0.2348, 0.3059

Trichromacy



Original Color

69.5342, 0.2922, 0.5677



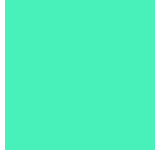
Protanomaly

63.2166, 0.3555, 0.5233



Deuteranomaly

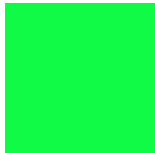
62.2479, 0.3432, 0.4705



Tritanomaly

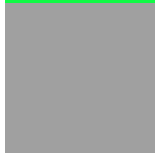
67.2431, 0.2555, 0.4024

Monochromacy



Original Color

69.5342, 0.2922, 0.5677



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

42.8604, 0.2945, 0.4340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5342, 0.2922, 0.5677 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(16, 251, 69)` looks like.

```
.text, #text, p{  
    color:rgb(16, 251, 69)  
}
```

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(16, 251, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 251, 69) }
```

Border

The CSS property to change the border of an element to Yxy 69.5342, 0.2922, 0.5677 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(16, 251, 69) }
```

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

```
.border{ border-color:rgb(16, 251, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 251, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 251, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 251, 69);  
box-shadow:4px 4px 4px 4px rgb(16, 251,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5342, 0.2922, 0.5677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 251, 69) }
```

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

```
.background{ background-color: rgb(16, 251,  
69) }
```

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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