

Converting Colors

$Y_{xy}(69.6730, 0.2750, 0.5101)$

Have a look what the booklet for
Yxy(69.6730, 0.2750, 0.5101)
contains.

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Color

Yxy(69.7273, 0.2752, 0.5106)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 01FA78 |
| RGB | 1, 250, 120 |
| RGB Percent | 0%, 98%, 47% |
| CMY | 0.9979, 0.0196, 0.5294 |
| CMYK | 1.00, 0.00, 0.52, 0.02 |
| HSL | 149°, 100%, 49% |
| HSV | 149°, 100%, 98% |
| XYZ | 37.5812, 69.7273, 29.2511 |
| YIQ | 160.7290, -106.6740, -93.2180 |

Conversions

Conversions Part 2

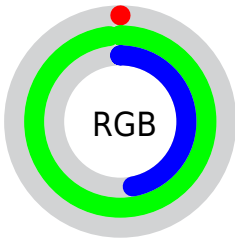
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 1, 169, 250 |
| Decimal | 129656 |
| CIELab | 86.86, -76.39, 48.30 |
| CIELCh | 87, 90.379, 147.696 |
| Yxy | 69.7273, 0.2752, 0.5106 |
| Android (android.graphics.Color) | 4278319736 (0xFF01FA78) |
| YUV | 160.7290, -20.0794, -140.0823 |
| Hunter-Lab | 83.5029, -65.7946, 37.6827 |

Details

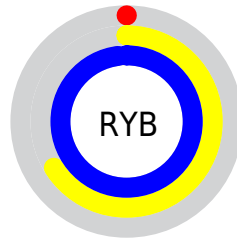
The Yxy color **69.7273, 0.2752, 0.5106** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **21.9609, 0.4903, 0.2476**, and the grayscale version is **35.5721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2600, 0.2781, 0.4304**, and **38.1045, 0.2854, 0.5476** is the 20% darker color. If you saturate the color by 10%, you get **69.7199, 0.2753, 0.5110**, and if you desaturate by 10%, it is **70.2784, 0.2719, 0.4920**.

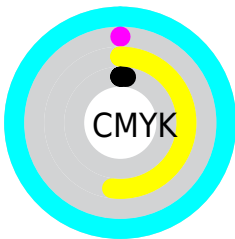
Distribution



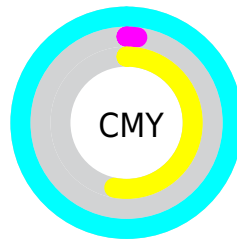
- Red (0%)
- Green (98%)
- Blue (47%)



- Red (0%)
- Yellow (66%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7273, 0.2752, 0.5106 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 69.7273, 0.2752, 0.5106 by changing the saturation by 10% instead.

 69.7273, 0.2752,
0.5106


 69.7273, 0.2752,
0.5106


459.5919, 0.2976,
0.4181

 51.3042, 0.2686,
0.5335


 118.8198, 0.2841,
0.4770

 36.4508, 0.2598,
0.5626


 150.2580, 0.2872,
0.4643

 24.7826, 0.2473,
0.6003


 186.8034, 0.2898,
0.4536

 15.9151, 0.2289,
0.6504

 228.8404, 0.2919,
0.4445

 9.4641, 0.2005,
0.7182

 276.7533, 0.2937,
0.4365

 5.0451, 0.1609,
0.8391

330.9266, 0.2952,

 2.2738, 0.0000,

0.4296

1.0000

391.7447, 0.2965,
0.4235

■ 0.7598, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 69.7273, 0.2752,
0.5106

■ 69.7273, 0.2752,
0.5106


■ 69.7199, 0.2753,
0.5110


■ 70.2784, 0.2719,
0.4920


■ 71.1394, 0.2703,
0.4722


■ 72.3942, 0.2707,
0.4516

■ 74.0932, 0.2731,
0.4309

 76.2794, 0.2772,
0.4106

 78.9901, 0.2828,
0.3914

 82.2591, 0.2895,
0.3734

 86.1171, 0.2969,
0.3569

 90.5926, 0.3048,
0.3420

Harmonies

Analogous

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



69.7273, 0.3741, 0.5305



69.7273, 0.2752, 0.5106



69.7273, 0.1917, 0.3995

Triad

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



69.7273, 0.2752, 0.5106



69.7273, 0.1635, 0.1764



69.7273, 0.5131, 0.3281

Complementary

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



69.7273, 0.2752, 0.5106



21.9609, 0.4903, 0.2476

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.



69.7273, 0.4345, 0.2621



69.7273, 0.2752, 0.5106



69.7273, 0.2237, 0.1794

Square

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



69.7273, 0.2752, 0.5106



69.7273, 0.1383, 0.2057



69.7273, 0.3208, 0.2095



69.7273, 0.5191, 0.4005

Rectangle

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



69.7273, 0.2752, 0.5106



69.7273, 0.1567, 0.3150



69.7273, 0.3208, 0.2095



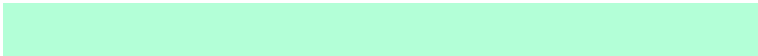
69.7273, 0.4941, 0.3053

Sweetspot

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



69.7301, 0.2752, 0.5106



85.9577, 0.2893, 0.3738



73.4054, 0.3401, 0.5680



18.0752, 0.2864, 0.3812



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.



69.7301, 0.2752, 0.5106



72.9284, 0.2753, 0.5112



74.7655, 0.2276, 0.3391



19.4477, 0.3050, 0.3416



37.0109, 0.2745, 0.5080



3.4491, 0.2682, 0.4856

Inverse Universe

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



21.9609, 0.4903, 0.2476



22.9498, 0.4910, 0.2479



20.3547, 0.6374, 0.3286



17.3763, 0.3212, 0.3167



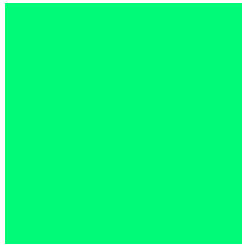
11.6684, 0.4873, 0.2458



1.1021, 0.4620, 0.2318

Previews

White Background



This preview shows how the Yxy color 69.7273, 0.2752, 0.5106 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 69.7273, 0.2752, 0.5106 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 69.7273, 0.2752, 0.5106

Background



This preview shows how black text looks on a background with the Yxy color 69.7273, 0.2752, 0.5106.



This preview shows how white text looks on a background with the Yxy color 69.7273, 0.2752, 0.5106.

Color Blindness Simulation

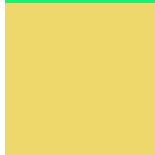
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

69.7337, 0.2752, 0.5106



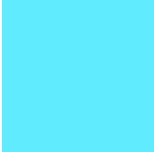
Protanopia

68.3716, 0.4034, 0.4412



Deuteranopia

67.9922, 0.3957, 0.3910



Tritanopia

69.1235, 0.2318, 0.3047

Trichromacy



Original Color

69.7337, 0.2752, 0.5106



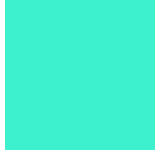
Protanomaly

63.3321, 0.3299, 0.4790



Deuteranomaly

62.2629, 0.3241, 0.4405



Tritanomaly

67.7685, 0.2442, 0.3741

Monochromacy



Original Color

69.7337, 0.2752, 0.5106



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

43.0988, 0.2793, 0.4032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7273, 0.2752, 0.5106 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(1, 250, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 250, 120) }
```

Border

The CSS property to change the border of an element to Yxy 69.7273, 0.2752, 0.5106 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, 120) }
```

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

```
.border{ border-color:rgb(1, 250, 120) }
```

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, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 250, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 250, 120);  
box-shadow:4px 4px 4px 4px rgb(1, 250,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7273, 0.2752, 0.5106 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, 120) }
```

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

```
.background{ background-color: rgb(1, 250,  
120) }
```

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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