

Converting Colors

$Y_{xy}(72.9220, 0.2754, 0.5115)$

Have a look what the booklet for
Yxy(72.9220, 0.2754, 0.5115)
contains.

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Color

Yxy(72.9251, 0.2754, 0.5113)

Conversions

Conversions Part 1

Format	Color
Hex	01FF7A
RGB	1, 255, 122
RGB Percent	0%, 100%, 48%
CMY	0.9974, 0.0000, 0.5215
CMYK	1.00, 0.00, 0.52, 0.00
HSL	149°, 100%, 50%
HSV	149°, 100%, 100%
XYZ	39.2794, 72.9251, 30.4223
YIQ	163.8920, -108.6910, -95.2110

Conversions

Conversions Part 2

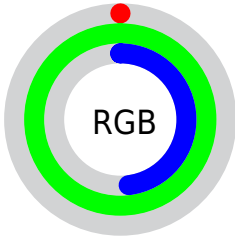
Format	Color
RYB	1, 173, 255
Decimal	130938
CIELab	88.41, -77.62, 49.27
CIELCh	88, 91.938, 147.594
Yxy	72.9251, 0.2754, 0.5113
Android (android.graphics.Color)	4278321018 (0xFF01FF7A)
YUV	163.8920, -20.6528, -142.8563
Hunter-Lab	85.3962, -67.3392, 38.6553

Details

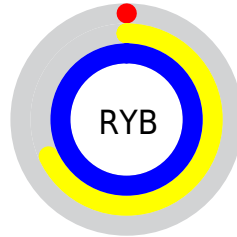
The Yxy color **72.9251, 0.2754, 0.5113** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **22.9848, 0.4897, 0.2472**, and the grayscale version is **37.1573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4073, 0.2776, 0.4276**, and **39.9095, 0.2853, 0.5470** is the 20% darker color. If you saturate the color by 10%, you get **72.9153, 0.2755, 0.5118**, and if you desaturate by 10%, it is **73.4991, 0.2721, 0.4927**.

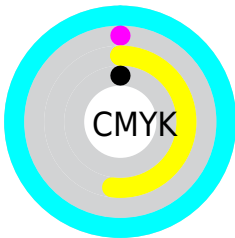
Distribution



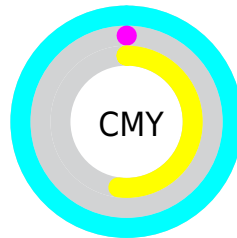
- Red (0%)
- Green (100%)
- Blue (48%)



- Red (0%)
- Yellow (68%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9251, 0.2754, 0.5113 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 72.9251, 0.2754, 0.5113 by changing the saturation by 10% instead.


 72.9251, 0.2754,
0.5113


 72.9251, 0.2754,
0.5113


470.7552, 0.2976,
0.4191


 53.9147, 0.2690,
0.5339


 123.3709, 0.2842,
0.4779


 38.5335, 0.2603,
0.5625

 155.5751, 0.2873,
0.4654


 26.3970, 0.2481,
0.5994


 192.9460, 0.2898,
0.4547

 17.1209, 0.2303,
0.6481

 235.8680, 0.2919,
0.4455

 10.3207, 0.2031,
0.7137

 284.7255, 0.2937,
0.4376

 5.6121, 0.1665,
0.8335


339.9030, 0.2952,

 2.6107, 0.0160,


0.4307


0.9840


401.7847, 0.2965,
0.4246


 0.9320, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.9251, 0.2754,
0.5113


 72.9251, 0.2754,
0.5113

 72.9153, 0.2755,
0.5118

 73.4991, 0.2721,
0.4927


 74.3990, 0.2704,
0.4728

 75.7116, 0.2708,
0.4521

 77.4902, 0.2732,
0.4313

 79.7796, 0.2773,
0.4109

 82.6192, 0.2829,
0.3916

 86.0442, 0.2895,
0.3735

 90.0872, 0.2970,
0.3570

 94.7779, 0.3048,
0.3420

Harmonies

Analogous

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



72.9251, 0.3744, 0.5308



72.9251, 0.2754, 0.5113



72.9251, 0.1917, 0.4001

Triad

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



72.9251, 0.2754, 0.5113



72.9251, 0.1632, 0.1762



72.9251, 0.5133, 0.3278

Complementary

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



72.9251, 0.2754, 0.5113



22.9848, 0.4897, 0.2472

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.



72.9251, 0.4344, 0.2618



72.9251, 0.2754, 0.5113



72.9251, 0.2232, 0.1791

Square

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



72.9251, 0.2754, 0.5113



72.9251, 0.1380, 0.2056



72.9251, 0.3204, 0.2091



72.9251, 0.5195, 0.4002

Rectangle

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



72.9251, 0.2754, 0.5113



72.9251, 0.1565, 0.3153



72.9251, 0.3204, 0.2091



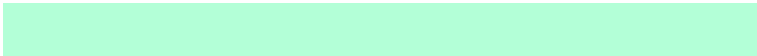
72.9251, 0.4943, 0.3049

Sweetspot

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



72.9281, 0.2754, 0.5113



85.9507, 0.2894, 0.3740



76.7795, 0.3401, 0.5681



18.0736, 0.2864, 0.3814



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.



72.9281, 0.2754, 0.5113



72.9171, 0.2755, 0.5118



78.2083, 0.2276, 0.3391



20.3125, 0.3050, 0.3417



38.1305, 0.2747, 0.5088



3.7345, 0.2687, 0.4874

Inverse Universe

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



22.9848, 0.4897, 0.2472



22.9624, 0.4903, 0.2474



21.2937, 0.6374, 0.3287



18.1458, 0.3212, 0.3166



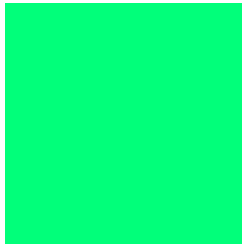
12.0288, 0.4867, 0.2455



1.1933, 0.4626, 0.2322

Previews

White Background



This preview shows how the Yxy color 72.9251, 0.2754, 0.5113 looks on a white background.

Color Contrast Check

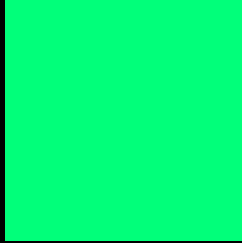
Large Text (above 18pt) WCAG AA × Fail

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 72.9251, 0.2754, 0.5113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

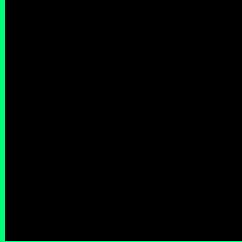
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.9251, 0.2754, 0.5113

Background



This preview shows how black text looks on a background with the Yxy color 72.9251, 0.2754, 0.5113.

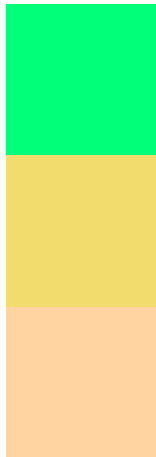


This preview shows how white text looks on a background with the Yxy color 72.9251, 0.2754, 0.5113.

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

72.9316, 0.2754, 0.5113

Protanopia

71.3669, 0.4040, 0.4410

Deuteranopia

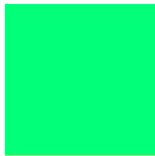
70.9202, 0.3833, 0.3817



Tritanopia

72.5066, 0.2413, 0.3088

Trichromacy



Original Color

72.9316, 0.2754, 0.5113



Protanomaly

66.4613, 0.3299, 0.4799



Deuteranomaly

65.3799, 0.3183, 0.4325



Tritanomaly

70.8261, 0.2489, 0.3771

Monochromacy



Original Color

72.9316, 0.2754, 0.5113



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

45.1057, 0.2792, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9251, 0.2754, 0.5113 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, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 122)  
}
```

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, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 122) }
```

Border

The CSS property to change the border of an element to Yxy 72.9251, 0.2754, 0.5113 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, 255, 122) }
```

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

```
.border{ border-color:rgb(1, 255, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9251, 0.2754, 0.5113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 122) }
```

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

```
.background{ background-color: rgb(1, 255,  
122) }
```

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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