

Converting Colors

$Y_{xy}(73.2644, 0.2720, 0.4971)$

Have a look what the booklet for
Yxy(73.2644, 0.2720, 0.4971)
contains.

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Color

Yxy(73.2571, 0.2722, 0.4977)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 0BFF84 |
| RGB | 11, 255, 132 |
| RGB Percent | 4%, 100%, 52% |
| CMY | 0.9564, 0.0000, 0.4822 |
| CMYK | 0.96, 0.00, 0.48, 0.00 |
| HSL | 150°, 100%, 52% |
| HSV | 150°, 96%, 100% |
| XYZ | 40.0655, 73.2571, 33.8687 |
| YIQ | 168.0220, -105.9410, -89.9810 |

Conversions

Conversions Part 2

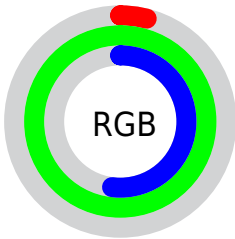
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 11, 174, 255 |
| Decimal | 786308 |
| CIELab | 88.57, -75.83, 44.78 |
| CIELCh | 89, 88.070, 149.437 |
| Yxy | 73.2571, 0.2722, 0.4977 |
| Android (android.graphics.Color) | 4278976388 (0xFF0BFF84) |
| YUV | 168.0220, -17.7588, -137.7083 |
| Hunter-Lab | 85.5904, -66.2260, 36.4518 |

Details

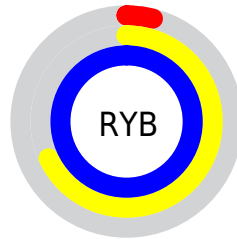
The Yxy color **73.2571, 0.2722, 0.4977** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **23.2256, 0.4882, 0.2483**, and the grayscale version is **39.3167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8898, 0.2734, 0.4142**, and **40.5117, 0.2810, 0.5316** is the 20% darker color. If you saturate the color by 10%, you get **73.0374, 0.2738, 0.5055**, and if you desaturate by 10%, it is **73.9472, 0.2695, 0.4790**.

Distribution



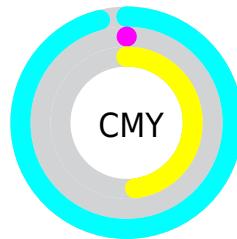
- Red (4%)
- Green (100%)
- Blue (52%)



- Red (4%)
- Yellow (68%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.2571, 0.2722, 0.4977 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 73.2571, 0.2722, 0.4977 by changing the saturation by 10% instead.


 73.2571, 0.2722,
0.4977


 73.2571, 0.2722,
0.4977


471.9054, 0.2951,
0.4126


 54.1862, 0.2658,
0.5186


 123.8421, 0.2810,
0.4669

 38.7506, 0.2574,
0.5452


 156.1251, 0.2842,
0.4553

 26.5657, 0.2457,
0.5796

 193.5808, 0.2868,
0.4454

 17.2473, 0.2290,
0.6256

 236.5937, 0.2890,
0.4370

 10.4110, 0.2036,
0.6885

 285.5483, 0.2909,
0.4297

 5.6723, 0.1665,
0.7899


340.8288, 0.2925,

 2.6469, 0.0374,


0.4233


0.9626


402.8197, 0.2939,
0.4176

 0.9503, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.2571, 0.2722,
0.4977


 73.2571, 0.2722,
0.4977


 73.0374, 0.2738,
0.5055


 73.9472, 0.2695,
0.4790


 75.0078, 0.2688,
0.4593


 76.5012, 0.2702,
0.4392


 78.4766, 0.2735,
0.4193

 80.9760, 0.2784,
0.4001

 84.0371, 0.2846,
0.3820

 87.6935, 0.2919,
0.3652

 91.9765, 0.2997,
0.3499

 96.9150, 0.3080,
0.3361

Harmonies

Analogous

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



73.2571, 0.3679, 0.5239



73.2571, 0.2722, 0.4977



73.2571, 0.1928, 0.3894

Triad

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



73.2571, 0.2722, 0.4977



73.2571, 0.1707, 0.1806



73.2571, 0.5075, 0.3332

Complementary

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



73.2571, 0.2722, 0.4977



23.2256, 0.4882, 0.2483

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.



73.2571, 0.4355, 0.2682



73.2571, 0.2722, 0.4977



73.2571, 0.2315, 0.1850

Square

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



73.2571, 0.2722, 0.4977



73.2571, 0.1442, 0.2076



73.2571, 0.3270, 0.2158



73.2571, 0.5103, 0.4041

Rectangle

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



73.2571, 0.2722, 0.4977



73.2571, 0.1599, 0.3099



73.2571, 0.3270, 0.2158



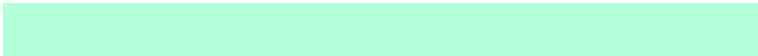
73.2571, 0.4905, 0.3107

Sweetspot

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



73.2588, 0.2722, 0.4977



86.3968, 0.2893, 0.3706



76.8732, 0.3400, 0.5663



18.1615, 0.2863, 0.3778



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.



73.2588, 0.2722, 0.4977



73.0374, 0.2738, 0.5055



78.5529, 0.2264, 0.3337



20.3184, 0.3048, 0.3412



38.1937, 0.2729, 0.5026



3.7408, 0.2671, 0.4816

Inverse Universe

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



23.2256, 0.4882, 0.2483



22.8336, 0.4983, 0.2519



21.5370, 0.6336, 0.3292



18.1399, 0.3215, 0.3171



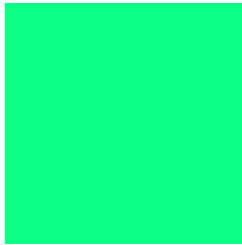
11.9613, 0.4947, 0.2499



1.1867, 0.4695, 0.2360

Previews

White Background



This preview shows how the Yxy color 73.2571, 0.2722, 0.4977 looks on a white background.

Color Contrast Check

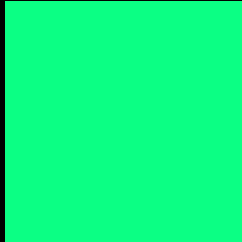
Large Text (above 18pt) WCAG AA × Fail

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 73.2571, 0.2722, 0.4977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

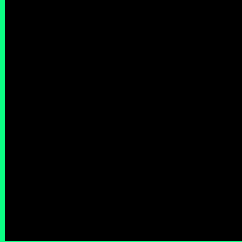
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.2571, 0.2722, 0.4977

Background



This preview shows how black text looks on a background with the Yxy color 73.2571, 0.2722, 0.4977.



This preview shows how white text looks on a background with the Yxy color 73.2571, 0.2722, 0.4977.

Color Blindness Simulation

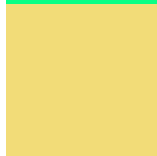
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.2571, 0.2722, 0.4977



Protanopia

71.4197, 0.3973, 0.4325



Deuteranopia

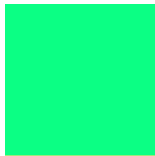
71.5651, 0.3800, 0.3786



Tritanopia

72.6542, 0.2421, 0.3089

Trichromacy



Original Color

73.2571, 0.2722, 0.4977



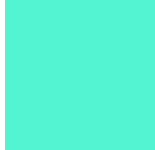
Protanomaly

67.0022, 0.3269, 0.4672



Deuteranomaly

65.8937, 0.3168, 0.4241



Tritanomaly

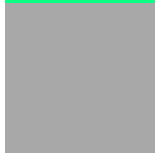
71.1935, 0.2490, 0.3728

Monochromacy



Original Color

73.2571, 0.2722, 0.4977



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

47.0546, 0.2795, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.2571, 0.2722, 0.4977 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(11, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(11, 255, 132)  
}
```

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(11, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 132) }
```

Border

The CSS property to change the border of an element to Yxy 73.2571, 0.2722, 0.4977 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(11, 255, 132) }
```

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

```
.border{ border-color:rgb(11, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(11, 255,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 73.2571, 0.2722, 0.4977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 255, 132) }
```

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

```
.background{ background-color: rgb(11, 255,  
132) }
```

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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