

Converting Colors

$Y_{xy}(73.3438, 0.2711, 0.4936)$

Have a look what the booklet for
Yxy(73.3438, 0.2711, 0.4936)
contains.

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Color

Yxy(73.3474, 0.2711, 0.4936)

Conversions

Conversions Part 1

Format	Color
Hex	0CFF87
RGB	12, 255, 135
RGB Percent	5%, 100%, 53%
CMY	0.9535, 0.0000, 0.4705
CMYK	0.95, 0.00, 0.47, 0.00
HSL	150°, 100%, 52%
HSV	150°, 95%, 100%
XYZ	40.2846, 73.3474, 34.9648
YIQ	168.6630, -106.3080, -88.8360

Conversions

Conversions Part 2

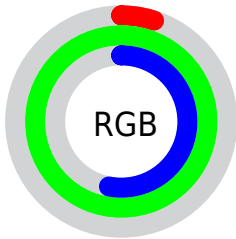
Format	Color
RYB	12, 173, 255
Decimal	851847
CIELab	88.61, -75.34, 43.41
CIELCh	89, 86.949, 150.049
Yxy	73.3474, 0.2711, 0.4936
Android (android.graphics.Color)	4279041927 (0xFF0CFF87)
YUV	168.6630, -16.5959, -137.3935
Hunter-Lab	85.6431, -65.9130, 35.7443

Details

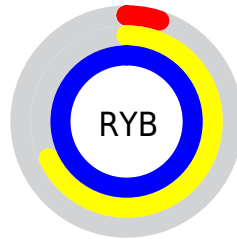
The Yxy color **73.3474, 0.2711, 0.4936** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **23.1813, 0.4919, 0.2505**, and the grayscale version is **39.6045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0196, 0.2720, 0.4102**, and **40.5570, 0.2797, 0.5270** is the 20% darker color. If you saturate the color by 10%, you get **73.1095, 0.2727, 0.5018**, and if you desaturate by 10%, it is **74.0460, 0.2686, 0.4751**.

Distribution



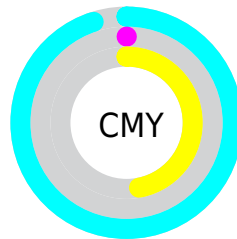
- Red (5%)
- Green (100%)
- Blue (53%)



- Red (5%)
- Yellow (68%)
- Blue (100%)



- Cyan (95%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (95%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.3474, 0.2711, 0.4936 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 73.3474, 0.2711, 0.4936 by changing the saturation by 10% instead.


 73.3474, 0.2711,
0.4936

 73.3474, 0.2711,
0.4936


472.2180, 0.2943,
0.4106

 54.2601, 0.2647,
0.5140

 123.9703, 0.2800,
0.4636


 38.8096, 0.2563,
0.5399


 156.2746, 0.2832,
0.4522


 26.6117, 0.2448,
0.5736

 193.7534, 0.2859,
0.4426

 17.2818, 0.2283,
0.6186

 236.7910, 0.2881,
0.4344

 10.4356, 0.2034,
0.6806

 285.7719, 0.2900,
0.4273

 5.6887, 0.1662,
0.7772


341.0804, 0.2916,


 2.6567, 0.0430,


0.4210


0.9570


403.1010, 0.2931,
0.4155


 0.9553, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 73.3474, 0.2711,
0.4936

 73.3474, 0.2711,
0.4936


 73.1095, 0.2727,
0.5018


 74.0460, 0.2686,
0.4751


 75.1173, 0.2680,
0.4558


 76.6212, 0.2695,
0.4361


 78.6065, 0.2729,
0.4167

 81.1152, 0.2780,
0.3980

 84.1845, 0.2843,
0.3803

 87.8481, 0.2917,
0.3639

 92.1370, 0.2997,
0.3490

 97.0799, 0.3082,
0.3356

Harmonies

Analogous

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



73.3474, 0.3657, 0.5218



73.3474, 0.2711, 0.4936



73.3474, 0.1930, 0.3861

Triad

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



73.3474, 0.2711, 0.4936



73.3474, 0.1730, 0.1820



73.3474, 0.5058, 0.3349

Complementary

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



73.3474, 0.2711, 0.4936



23.1813, 0.4919, 0.2505

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.



73.3474, 0.4359, 0.2702



73.3474, 0.2711, 0.4936



73.3474, 0.2341, 0.1868

Square

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



73.3474, 0.2711, 0.4936



73.3474, 0.1460, 0.2082



73.3474, 0.3292, 0.2179



73.3474, 0.5075, 0.4053

Rectangle

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



73.3474, 0.2711, 0.4936



73.3474, 0.1608, 0.3082



73.3474, 0.3292, 0.2179



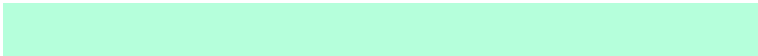
73.3474, 0.4895, 0.3126

Sweetspot

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



73.3473, 0.2711, 0.4936



86.4385, 0.2889, 0.3697



76.5682, 0.3379, 0.5678



18.1714, 0.2858, 0.3768



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.



73.3473, 0.2711, 0.4936



73.1095, 0.2727, 0.5018



78.8172, 0.2251, 0.3287



20.3217, 0.3046, 0.3410



38.2315, 0.2719, 0.4989



3.7445, 0.2662, 0.4783

Inverse Universe

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



23.1813, 0.4919, 0.2505



22.7619, 0.5030, 0.2544



21.5460, 0.6345, 0.3300



18.1365, 0.3216, 0.3173



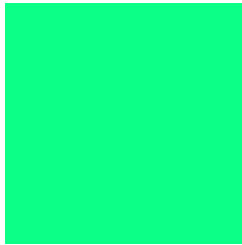
11.9236, 0.4992, 0.2524



1.1830, 0.4734, 0.2382

Previews

White Background



This preview shows how the Yxy color 73.3474, 0.2711, 0.4936 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 73.3474, 0.2711, 0.4936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

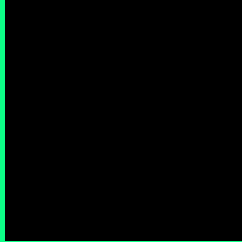
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.3474, 0.2711, 0.4936

Background



This preview shows how black text looks on a background with the Yxy color 73.3474, 0.2711, 0.4936.



This preview shows how white text looks on a background with the Yxy color 73.3474, 0.2711, 0.4936.

Color Blindness Simulation

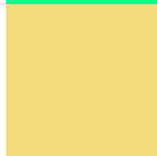
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.3474, 0.2711, 0.4936



Protanopia

71.4688, 0.3961, 0.4307



Deuteranopia

71.6017, 0.3793, 0.3776



Tritanopia

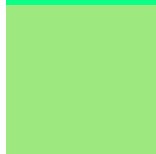
72.7290, 0.2424, 0.3089

Trichromacy



Original Color

73.3474, 0.2711, 0.4936



Protanomaly

67.0792, 0.3253, 0.4636



Deuteranomaly

66.0689, 0.3163, 0.4213



Tritanomaly

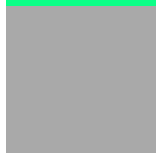
71.2893, 0.2489, 0.3714

Monochromacy



Original Color

73.3474, 0.2711, 0.4936



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

47.1876, 0.2789, 0.3937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3474, 0.2711, 0.4936 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(12, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(12, 255, 135)  
}
```

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(12, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 255, 135) }
```

Border

The CSS property to change the border of an element to Yxy 73.3474, 0.2711, 0.4936 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(12, 255, 135) }
```

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

```
.border{ border-color:rgb(12, 255, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 255, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(12, 255,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3474, 0.2711, 0.4936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 255, 135) }
```

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

```
.background{ background-color: rgb(12, 255,  
135) }
```

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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