

Converting Colors

$Yxy(82.4183, 0.2690, 0.5027)$

Have a look what the booklet for
Yxy(82.4183, 0.2690, 0.5027)
contains.

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Color

Yxy(73.3261, 0.2698, 0.4911)

Conversions

Conversions Part 1

Format	Color
Hex	01FF89
RGB	1, 255, 137
RGB Percent	0%, 100%, 54%
CMY	0.9965, 0.0000, 0.4627
CMYK	1.00, 0.00, 0.46, 0.00
HSL	152°, 100%, 50%
HSV	152°, 100%, 100%
XYZ	40.2838, 73.3261, 35.7000
YIQ	165.6020, -113.5060, -90.5460

Conversions

Conversions Part 2

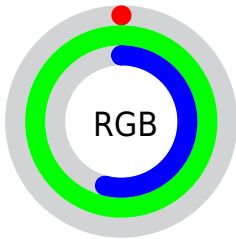
Format	Color
R_{YB}	1, 166, 255
Decimal	130953
CIE _{Lab}	88.60, -75.30, 42.44
CIE _{LCh}	89, 86.433, 150.593
Yxy	73.3261, 0.2698, 0.4911
Android (android.graphics.Color)	4278321033 (0xFF01FF89)
YUV	165.6020, -14.1008, -144.3560
Hunter-Lab	85.6307, -65.8807, 35.2231

Details

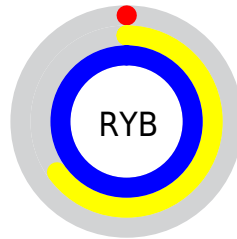
The Yxy color **73.3261, 0.2698, 0.4911** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **22.6070, 0.5146, 0.2610**, and the grayscale version is **38.0226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0388, 0.2707, 0.4077**, and **40.5884, 0.2788, 0.5238** is the 20% darker color. If you saturate the color by 10%, you get **73.3116, 0.2699, 0.4917**, and if you desaturate by 10%, it is **73.9067, 0.2668, 0.4739**.

Distribution



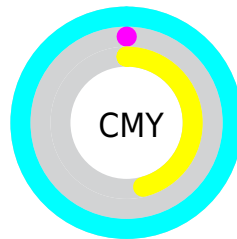
- Red (0%)
- Green (100%)
- Blue (54%)



- Red (0%)
- Yellow (65%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3261, 0.2698, 0.4911 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 73.3261, 0.2698, 0.4911 by changing the saturation by 10% instead.

 73.3261, 0.2698,
0.4911

 73.3261, 0.2698,
0.4911

472.1442, 0.2935,
0.4094

 54.2427, 0.2634,
0.5112


 123.9400, 0.2788,
0.4615


 38.7957, 0.2549,
0.5367


 156.2393, 0.2821,
0.4504

 26.6008, 0.2433,
0.5700


 193.7127, 0.2848,
0.4409

 17.2737, 0.2268,
0.6145

 236.7445, 0.2871,
0.4328

 10.4298, 0.2021,
0.6760

 285.7192, 0.2890,
0.4258

 5.6848, 0.1648,
0.7701


341.0211, 0.2907,

 2.6544, 0.0430,


0.4196


0.9570


403.0346, 0.2922,
0.4142


 0.9541, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.3261, 0.2698,
0.4911

 73.3261, 0.2698,
0.4911


 73.3116, 0.2699,
0.4917


 73.9067, 0.2668,
0.4739

 74.8061, 0.2655,
0.4559


 76.1096, 0.2664,
0.4374


 77.8697, 0.2692,
0.4190

 80.1307, 0.2738,
0.4011

 82.9317, 0.2800,
0.3841

 86.3073, 0.2873,
0.3682

 90.2897, 0.2954,
0.3536

 94.9081, 0.3041,
0.3404

Harmonies

Analogous

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



73.3261, 0.3640, 0.5210



73.3261, 0.2698, 0.4911



73.3261, 0.1925, 0.3836

Triad

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



73.3261, 0.2698, 0.4911



73.3261, 0.1745, 0.1825



73.3261, 0.5054, 0.3363

Complementary

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



73.3261, 0.2698, 0.4911



22.6070, 0.5146, 0.2610

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.



73.3261, 0.4370, 0.2716



73.3261, 0.2698, 0.4911



73.3261, 0.2360, 0.1878

Square

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



73.3261, 0.2698, 0.4911



73.3261, 0.1470, 0.2080



73.3261, 0.3310, 0.2191



73.3261, 0.5060, 0.4065

Rectangle

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



73.3261, 0.2698, 0.4911



73.3261, 0.1609, 0.3065



73.3261, 0.3310, 0.2191



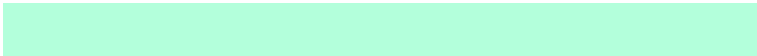
73.3261, 0.4896, 0.3139

Sweetspot

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



73.3291, 0.2698, 0.4911



86.1841, 0.2870, 0.3688



75.4741, 0.3310, 0.5752



18.1287, 0.2838, 0.3753



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.



73.3291, 0.2698, 0.4911



73.3148, 0.2699, 0.4917



73.4566, 0.2218, 0.3184



20.3309, 0.3042, 0.3403



38.3391, 0.2691, 0.4889



3.7550, 0.2637, 0.4692

Inverse Universe

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



22.6070, 0.5146, 0.2610



22.5775, 0.5155, 0.2614



21.4641, 0.6381, 0.3312



18.1274, 0.3221, 0.3180



11.8267, 0.5116, 0.2592



1.1733, 0.4843, 0.2441

Previews

White Background



This preview shows how the Yxy color 73.3261, 0.2698, 0.4911 looks on a white background.

Color Contrast Check

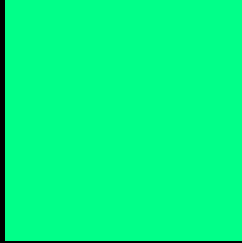
Large Text (above 18pt) WCAG AA × Fail

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 73.3261, 0.2698, 0.4911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

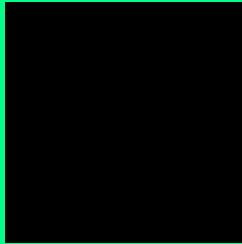
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.3261, 0.2698, 0.4911

Background



This preview shows how black text looks on a background with the Yxy color 73.3261, 0.2698, 0.4911.



This preview shows how white text looks on a background with the Yxy color 73.3261, 0.2698, 0.4911.

Color Blindness Simulation

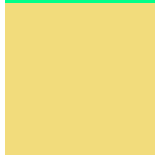
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.3326, 0.2698, 0.4911



Protanopia

71.5189, 0.3948, 0.4288



Deuteranopia

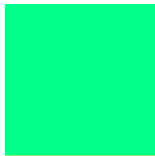
71.6385, 0.3785, 0.3766



Tritanopia

72.7290, 0.2424, 0.3089

Trichromacy



Original Color

73.3326, 0.2698, 0.4911



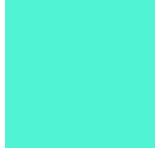
Protanomaly

66.7328, 0.3216, 0.4623



Deuteranomaly

65.6736, 0.3130, 0.4208



Tritanomaly

71.1603, 0.2473, 0.3702

Monochromacy



Original Color

73.3326, 0.2698, 0.4911



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

45.8189, 0.2762, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3261, 0.2698, 0.4911 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 137) }
```

Border

The CSS property to change the border of an element to Yxy 73.3261, 0.2698, 0.4911 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, 137) }
```

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

```
.border{ border-color:rgb(1, 255, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3261, 0.2698, 0.4911 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, 137) }
```

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

```
.background{ background-color: rgb(1, 255,  
137) }
```

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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