

Converting Colors

$Y_{xy}(73.2964, 0.2702, 0.4926)$

Have a look what the booklet for
Yxy(73.2964, 0.2702, 0.4926)
contains.

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Color

Yxy(73.3040, 0.2702, 0.4925)

Conversions

Conversions Part 1

Format	Color
Hex	01FF88
RGB	1, 255, 136
RGB Percent	0%, 100%, 53%
CMY	0.9957, 0.0000, 0.4667
CMYK	1.00, 0.00, 0.47, 0.00
HSL	152°, 100%, 50%
HSV	152°, 100%, 100%
XYZ	40.2167, 73.3040, 35.3199
YIQ	165.4880, -113.1850, -90.8570

Conversions

Conversions Part 2

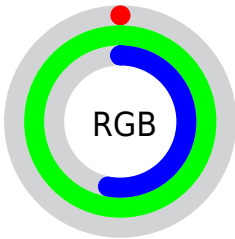
Format	Color
R_{YB}	1, 167, 255
Decimal	130952
CIE _{Lab}	88.59, -75.46, 42.91
CIE _{LCh}	89, 86.808, 150.374
Yxy	73.3040, 0.2702, 0.4925
Android (android.graphics.Color)	4278321032 (0xFF01FF88)
YUV	165.4880, -14.5376, -144.2560
Hunter-Lab	85.6178, -65.9853, 35.4735

Details

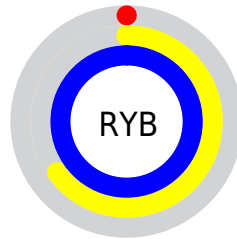
The Yxy color **73.3040, 0.2702, 0.4925** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **22.6418, 0.5126, 0.2599**, and the grayscale version is **37.9982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9946, 0.2711, 0.4090**, and **40.5726, 0.2793, 0.5254** is the 20% darker color. If you saturate the color by 10%, you get **73.2831, 0.2703, 0.4932**, and if you desaturate by 10%, it is **73.8839, 0.2672, 0.4752**.

Distribution



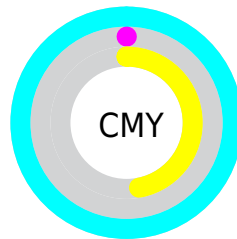
- Red (0%)
- Green (100%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3040, 0.2702, 0.4925 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 73.3040, 0.2702, 0.4925 by changing the saturation by 10% instead.


 73.3040, 0.2702,
0.4925

 73.3040, 0.2702,
0.4925


472.0677, 0.2938,
0.4101

 54.2246, 0.2638,
0.5128


 123.9087, 0.2792,
0.4627


 38.7812, 0.2553,
0.5385


 156.2027, 0.2825,
0.4514

 26.5896, 0.2437,
0.5720


 193.6704, 0.2852,
0.4419

 17.2652, 0.2271,
0.6169

 236.6962, 0.2874,
0.4337

 10.4238, 0.2022,
0.6787

 285.6644, 0.2894,
0.4266

 5.6808, 0.1649,
0.7742


340.9595, 0.2910,

 2.6520, 0.0413,


0.4204

0.9587


402.9658, 0.2925,
0.4149


 0.9529, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.3040, 0.2702,
0.4925


 73.3040, 0.2702,
0.4925


 73.2831, 0.2703,
0.4932

 73.8839, 0.2672,
0.4752


 74.7869, 0.2659,
0.4570


 76.0951, 0.2667,
0.4383

 77.8610, 0.2695,
0.4198

 80.1290, 0.2741,
0.4017

 82.9379, 0.2803,
0.3845

 86.3227, 0.2875,
0.3685

 90.3151, 0.2956,
0.3538

 94.9448, 0.3042,
0.3405

Harmonies

Analogous

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



73.3040, 0.3647, 0.5217



73.3040, 0.2702, 0.4925



73.3040, 0.1925, 0.3847

Triad

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



73.3040, 0.2702, 0.4925



73.3040, 0.1737, 0.1820



73.3040, 0.5060, 0.3357

Complementary

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



73.3040, 0.2702, 0.4925



22.6418, 0.5126, 0.2599

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.



73.3040, 0.4368, 0.2710



73.3040, 0.2702, 0.4925



73.3040, 0.2351, 0.1872

Square

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



73.3040, 0.2702, 0.4925



73.3040, 0.1463, 0.2078



73.3040, 0.3303, 0.2184



73.3040, 0.5070, 0.4061

Rectangle

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



73.3040, 0.2702, 0.4925



73.3040, 0.1606, 0.3071



73.3040, 0.3303, 0.2184



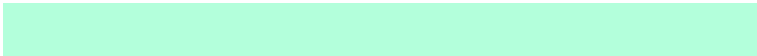
73.3040, 0.4899, 0.3133

Sweetspot

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



73.3045, 0.2702, 0.4925



86.1664, 0.2872, 0.3691



75.7934, 0.3333, 0.5734



18.1245, 0.2840, 0.3758



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.



73.3045, 0.2702, 0.4925



73.2831, 0.2703, 0.4932



76.0766, 0.2233, 0.3236



20.3295, 0.3043, 0.3404



38.3225, 0.2696, 0.4904



3.7534, 0.2640, 0.4705

Inverse Universe

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



22.6418, 0.5126, 0.2599



22.6042, 0.5136, 0.2603



21.3778, 0.6388, 0.3306



18.1288, 0.3220, 0.3179



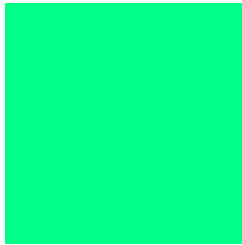
11.8408, 0.5097, 0.2582



1.1747, 0.4826, 0.2432

Previews

White Background



This preview shows how the Yxy color 73.3040, 0.2702, 0.4925 looks on a white background.

Color Contrast Check

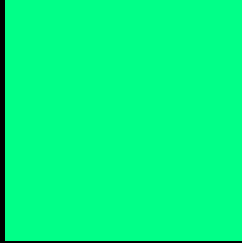
Large Text (above 18pt) WCAG AA × Fail

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 73.3040, 0.2702, 0.4925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

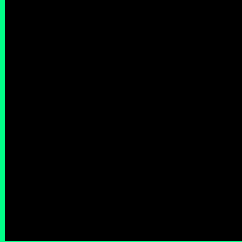
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.3040, 0.2702, 0.4925

Background



This preview shows how black text looks on a background with the Yxy color 73.3040, 0.2702, 0.4925.



This preview shows how white text looks on a background with the Yxy color 73.3040, 0.2702, 0.4925.

Color Blindness Simulation

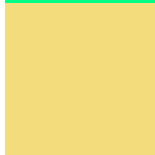
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.3040, 0.2702, 0.4925



Protanopia

71.4937, 0.3955, 0.4298



Deuteranopia

71.6385, 0.3785, 0.3766



Tritanopia

72.7290, 0.2424, 0.3089

Trichromacy



Original Color

73.3040, 0.2702, 0.4925



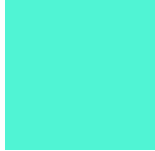
Protanomaly

66.7064, 0.3221, 0.4635



Deuteranomaly

65.6736, 0.3130, 0.4208



Tritanomaly

71.1603, 0.2473, 0.3702

Monochromacy



Original Color

73.3040, 0.2702, 0.4925



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 73.3040, 0.2702, 0.4925 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 136) }
```

Border

The CSS property to change the border of an element to Yxy 73.3040, 0.2702, 0.4925 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, 136) }
```

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

```
.border{ border-color:rgb(1, 255, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 136);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3040, 0.2702, 0.4925 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, 136) }
```

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

```
.background{ background-color: rgb(1, 255,  
136) }
```

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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