

Converting Colors

$Y_{xy}(73.3821, 0.2690, 0.4885)$

Have a look what the booklet for
Yxy(73.3821, 0.2690, 0.4885)
contains.

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Color

Yxy(73.3841, 0.2690, 0.4884)

Conversions

Conversions Part 1

Format	Color
Hex	00FF8B
RGB	0, 255, 139
RGB Percent	0%, 100%, 55%
CMY	1.0000, 0.0000, 0.4550
CMYK	1.00, 0.00, 0.45, 0.00
HSL	153°, 100%, 50%
HSV	153°, 100%, 100%
XYZ	40.4184, 73.3841, 36.4516
YIQ	165.5310, -114.7440, -90.1360

Conversions

Conversions Part 2

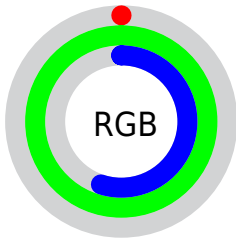
Format	Color
RYB	0, 165, 255
Decimal	65419
CIELab	88.63, -75.00, 41.53
CIELCh	89, 85.726, 151.027
Yxy	73.3841, 0.2690, 0.4884
Android (android.graphics.Color)	4278255499 (0xFF00FF8B)
YUV	165.5310, -13.0798, -145.1707
Hunter-Lab	85.6645, -65.6928, 34.7363

Details

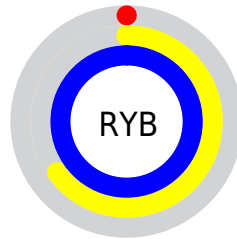
The Yxy color **73.3841, 0.2690, 0.4884** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **22.5214, 0.5195, 0.2636**, and the grayscale version is **37.9995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1280, 0.2698, 0.4050**, and **40.6206, 0.2780, 0.5206** is the 20% darker color. If you saturate the color by 10%, you get **73.3835, 0.2690, 0.4884**, and if you desaturate by 10%, it is **73.9539, 0.2660, 0.4715**.

Distribution



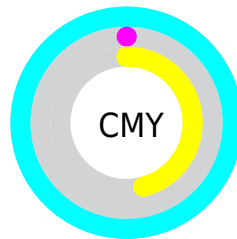
- Red (0%)
- Green (100%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.3841, 0.2690, 0.4884 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 73.3841, 0.2690, 0.4884 by changing the saturation by 10% instead.


 73.3841, 0.2690,
0.4884

 73.3841, 0.2690,
0.4884


472.3450, 0.2929,
0.4081

 54.2901, 0.2626,
0.5082

 124.0223, 0.2781,
0.4593


 38.8336, 0.2541,
0.5333


 156.3354, 0.2814,
0.4484


 26.6303, 0.2426,
0.5660


 193.8235, 0.2841,
0.4391

 17.2958, 0.2262,
0.6098

 236.8712, 0.2864,
0.4311

 10.4456, 0.2018,
0.6706

 285.8628, 0.2884,
0.4242

 5.6954, 0.1645,
0.7621


341.1827, 0.2901,

 2.6608, 0.0464,


0.4182


0.9536


403.2153, 0.2916,
0.4129


 0.9573, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.3841, 0.2690,
0.4884


 73.3841, 0.2690,
0.4884


 73.3835, 0.2690,
0.4884

 73.9539, 0.2660,
0.4715


 74.8390, 0.2648,
0.4538


 76.1247, 0.2656,
0.4357


 77.8640, 0.2684,
0.4177

 80.1013, 0.2731,
0.4002

 82.8756, 0.2793,
0.3835

 86.2218, 0.2867,
0.3679

 90.1720, 0.2949,
0.3536

 94.7555, 0.3037,
0.3406

Harmonies

Analogous

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



73.3841, 0.3625, 0.5196



73.3841, 0.2690, 0.4884



73.3841, 0.1926, 0.3814

Triad

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



73.3841, 0.2690, 0.4884



73.3841, 0.1760, 0.1833



73.3841, 0.5044, 0.3375

Complementary

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



73.3841, 0.2690, 0.4884



22.5214, 0.5195, 0.2636

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.



73.3841, 0.4373, 0.2730



73.3841, 0.2690, 0.4884



73.3841, 0.2377, 0.1890

Square

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



73.3841, 0.2690, 0.4884



73.3841, 0.1482, 0.2083



73.3841, 0.3325, 0.2205



73.3841, 0.5042, 0.4073

Rectangle

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



73.3841, 0.2690, 0.4884



73.3841, 0.1615, 0.3053



73.3841, 0.3325, 0.2205



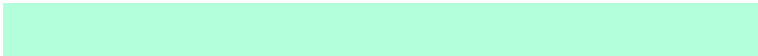
73.3841, 0.4890, 0.3152

Sweetspot

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



73.3835, 0.2690, 0.4884



86.2218, 0.2867, 0.3679



75.4419, 0.3308, 0.5755



18.1377, 0.2834, 0.3743



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.



73.3835, 0.2690, 0.4884



73.4361, 0.2218, 0.3183



20.3338, 0.3041, 0.3400



38.3750, 0.2682, 0.4856



3.7585, 0.2628, 0.4662

Inverse Universe

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



22.5214, 0.5195, 0.2636



21.4445, 0.6385, 0.3313



18.1245, 0.3222, 0.3182



11.7972, 0.5155, 0.2614



1.1704, 0.4877, 0.2460

Previews

White Background



This preview shows how the Yxy color 73.3841, 0.2690, 0.4884 looks on a white background.

Color Contrast Check

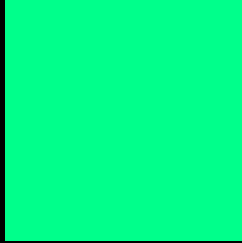
Large Text (above 18pt) WCAG AA × Fail

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 73.3841, 0.2690, 0.4884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

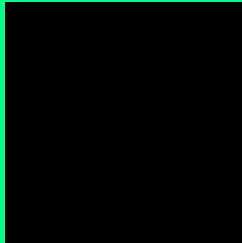
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.3841, 0.2690, 0.4884

Background



This preview shows how black text looks on a background with the Yxy color 73.3841, 0.2690, 0.4884.



This preview shows how white text looks on a background with the Yxy color 73.3841, 0.2690, 0.4884.

Color Blindness Simulation

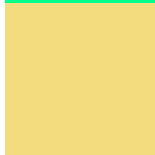
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.3841, 0.2690, 0.4884



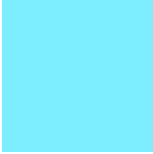
Protanopia

71.5700, 0.3936, 0.4270



Deuteranopia

71.6757, 0.3778, 0.3755



Tritanopia

72.7290, 0.2424, 0.3089

Trichromacy



Original Color

73.3841, 0.2690, 0.4884



Protanomaly

66.7865, 0.3205, 0.4598



Deuteranomaly

65.6025, 0.3117, 0.4197



Tritanomaly

71.2109, 0.2469, 0.3688

Monochromacy



Original Color

73.3841, 0.2690, 0.4884



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

45.8526, 0.2756, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3841, 0.2690, 0.4884 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(0, 255, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 139)  
}
```

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(0, 255, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 139) }
```

Border

The CSS property to change the border of an element to Yxy 73.3841, 0.2690, 0.4884 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(0, 255, 139) }
```

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

```
.border{ border-color:rgb(0, 255, 139) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
139) }
```

Background

The CSS property to change the background color of an element to Yxy 73.3841, 0.2690, 0.4884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 139) }
```

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

```
.background{ background-color: rgb(0, 255,  
139) }
```

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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