

Converting Colors

$Y_{xy}(73.8709, 0.2770, 0.4958)$

Have a look what the booklet for
Yxy(73.8709, 0.2770, 0.4958)
contains.

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Color

Yxy(73.8898, 0.2769, 0.4956)

Conversions

Conversions Part 1

Format	Color
Hex	33FF84
RGB	51, 255, 132
RGB Percent	20%, 100%, 52%
CMY	0.8007, 0.0000, 0.4823
CMYK	0.80, 0.00, 0.48, 0.00
HSL	144°, 100%, 60%
HSV	144°, 80%, 100%
XYZ	41.2835, 73.8898, 33.9183
YIQ	179.9820, -82.1010, -81.5010

Conversions

Conversions Part 2

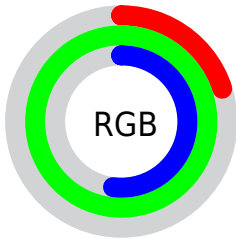
Format	Color
RYB	51, 197, 255
Decimal	3407748
CIELab	88.87, -73.37, 45.23
CIELCh	89, 86.191, 148.345
Yxy	73.8898, 0.2769, 0.4956
Android (android.graphics.Color)	4281597828 (0xFF33FF84)
YUV	179.9820, -23.6551, -113.1172
Hunter-Lab	85.9592, -64.7007, 36.7764

Details

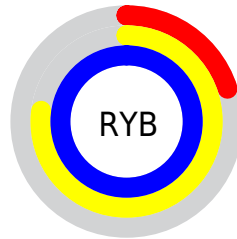
The Yxy color **73.8898, 0.2769, 0.4956** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **26.6601, 0.4199, 0.2237**, and the grayscale version is **45.7632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8537, 0.2789, 0.4130**, and **40.5117, 0.2810, 0.5316** is the 20% darker color. If you saturate the color by 10%, you get **73.0068, 0.2789, 0.5174**, and if you desaturate by 10%, it is **75.1877, 0.2768, 0.4723**.

Distribution



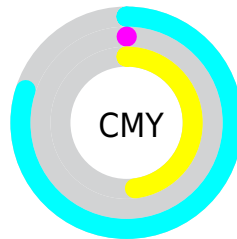
- Red (20%)
- Green (100%)
- Blue (52%)



- Red (20%)
- Yellow (77%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8898, 0.2769, 0.4956 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 73.8898, 0.2769, 0.4956 by changing the saturation by 10% instead.


 73.8898, 0.2769,
0.4956

 73.8898, 0.2769,
0.4956


474.0929, 0.2976,
0.4118


 54.7038, 0.2711,
0.5161


 124.7396, 0.2850,
0.4653

 39.1647, 0.2633,
0.5421


 157.1722, 0.2878,
0.4539

 26.8878, 0.2524,
0.5757


 194.7892, 0.2902,
0.4442

 17.4890, 0.2367,
0.6206

 237.9749, 0.2922,
0.4359

 10.5838, 0.2127,
0.6818

287.1137, 0.2938,
0.4287

 5.7877, 0.1772,
0.7800


342.5901, 0.2953,


 2.7164, 0.0668,


0.4224


0.9332


404.7883, 0.2965,
0.4168


 0.9855, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.8898, 0.2769,
0.4956


 73.8898, 0.2769,
0.4956

 73.0068, 0.2789,
0.5174


 75.1877, 0.2768,
0.4723

 72.4674, 0.2825,
0.5368


 76.9687, 0.2785,
0.4484

 79.2743, 0.2819,
0.4249

 82.1448, 0.2867,
0.4023

 85.6165, 0.2925,
0.3813

 89.7225, 0.2989,
0.3620

 94.4935, 0.3057,
0.3446

99.9581, 0.3127,
0.3291

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



73.8898, 0.3709, 0.5187



73.8898, 0.2769, 0.4956



73.8898, 0.1978, 0.3924

Triad

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



73.8898, 0.2769, 0.4956



73.8898, 0.1719, 0.1838



73.8898, 0.5016, 0.3313

Complementary

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



73.8898, 0.2769, 0.4956



26.6601, 0.4199, 0.2237

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.



73.8898, 0.4291, 0.2675



73.8898, 0.2769, 0.4956



73.8898, 0.2305, 0.1870

Square

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



73.8898, 0.2769, 0.4956



73.8898, 0.1468, 0.2120



73.8898, 0.3230, 0.2165



73.8898, 0.5074, 0.4010

Rectangle

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



73.8898, 0.2769, 0.4956



73.8898, 0.1643, 0.3146



73.8898, 0.3230, 0.2165



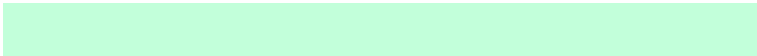
73.8898, 0.4841, 0.3092

Sweetspot

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



73.8853, 0.2769, 0.4956



88.0320, 0.2963, 0.3693



81.0728, 0.3595, 0.5355



18.5329, 0.2940, 0.3763



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.



73.8853, 0.2769, 0.4956



72.6588, 0.2810, 0.5293



77.9987, 0.2369, 0.3584



20.2878, 0.3061, 0.3437



37.8932, 0.2816, 0.5338



3.7104, 0.2753, 0.5111

Inverse Universe

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



26.6601, 0.4199, 0.2237



23.9382, 0.4491, 0.2264



24.1147, 0.5692, 0.3143



18.1709, 0.3199, 0.3148



12.3512, 0.4535, 0.2272



1.2242, 0.4342, 0.2165

Previews

White Background



This preview shows how the Yxy color 73.8898, 0.2769, 0.4956 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 73.8898, 0.2769, 0.4956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

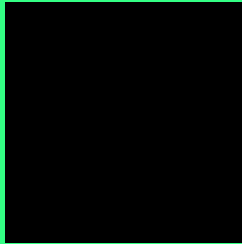
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.8898, 0.2769, 0.4956

Background



This preview shows how black text looks on a background with the Yxy color 73.8898, 0.2769, 0.4956.

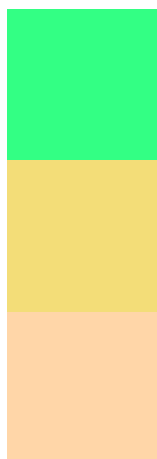


This preview shows how white text looks on a background with the Yxy color 73.8898, 0.2769, 0.4956.

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

73.8898, 0.2769, 0.4956

Protanopia

72.1237, 0.3976, 0.4331

Deuteranopia

72.1803, 0.3774, 0.3765



Tritanopia

73.1944, 0.2448, 0.3090

Trichromacy



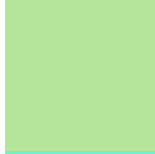
Original Color

73.8898, 0.2769, 0.4956



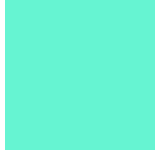
Protanomaly

68.6173, 0.3372, 0.4627



Deuteranomaly

68.2289, 0.3259, 0.4196



Tritanomaly

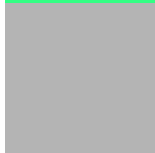
72.1793, 0.2550, 0.3722

Monochromacy



Original Color

73.8898, 0.2769, 0.4956



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.2565, 0.2890, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8898, 0.2769, 0.4956 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(51, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 132) }
```

Border

The CSS property to change the border of an element to Yxy 73.8898, 0.2769, 0.4956 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(51, 255, 132) }
```

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

```
.border{ border-color:rgb(51, 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(51, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8898, 0.2769, 0.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 132) }
```

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

```
.background{ background-color: rgb(51, 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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