

Converting Colors

$Y_{xy}(73.4700, 0.2865, 0.5240)$

Have a look what the booklet for
Yxy(73.4700, 0.2865, 0.5240)
contains.

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Color

Yxy(73.4649, 0.2865, 0.5242)

Conversions

Conversions Part 1

Format	Color
Hex	38FF6D
RGB	56, 255, 109
RGB Percent	22%, 100%, 43%
CMY	0.7803, 0.0000, 0.5726
CMYK	0.78, 0.00, 0.57, 0.00
HSL	136°, 100%, 61%
HSV	136°, 78%, 100%
XYZ	40.1520, 73.4649, 26.5298
YIQ	178.8550, -71.7380, -87.5940

Conversions

Conversions Part 2

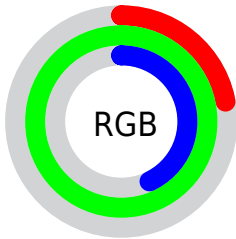
Format	Color
RYB	56, 213, 255
Decimal	3735405
CIELab	88.67, -75.99, 55.55
CIElCh	89, 94.128, 143.834
Yxy	73.4649, 0.2865, 0.5242
Android (android.graphics.Color)	4281925485 (0xFF38FF6D)
YUV	178.8550, -34.4385, -107.7438
Hunter-Lab	85.7117, -66.3763, 41.6465

Details

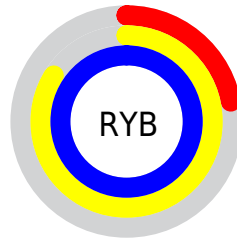
The Yxy color **73.4649, 0.2865, 0.5242** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **28.3571, 0.3802, 0.2022**, and the grayscale version is **45.2180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2687, 0.2918, 0.4423**, and **40.1988, 0.2906, 0.5662** is the 20% darker color. If you saturate the color by 10%, you get **72.5471, 0.2882, 0.5478**, and if you desaturate by 10%, it is **74.8437, 0.2864, 0.4976**.

Distribution



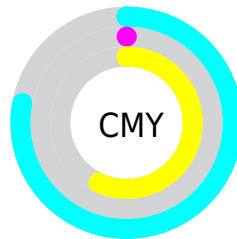
- Red (22%)
- Green (100%)
- Blue (43%)



- Red (22%)
- Yellow (84%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)



- Cyan (78%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.4649, 0.2865, 0.5242 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 73.4649, 0.2865, 0.5242 by changing the saturation by 10% instead.

 73.4649, 0.2865,
0.5242

 73.4649, 0.2865,
0.5242


472.6245, 0.3045,
0.4260

 54.3562, 0.2807,
0.5480

 124.1370, 0.2941,
0.4888

 38.8865, 0.2726,
0.5778


 156.4691, 0.2966,
0.4754

 26.6714, 0.2609,
0.6159


 193.9779, 0.2987,
0.4640

 17.3266, 0.2433,
0.6652

 237.0476, 0.3003,
0.4543

 10.4676, 0.2158,
0.7300

286.0628, 0.3017,
0.4458

 5.7101, 0.1741,
0.8259

341.4077, 0.3028,

 2.6696, 0.0393,

0.4383

0.9607

403.4668, 0.3037,
0.4318

■ 0.9618, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.4649, 0.2865,
0.5242

■ 73.4649, 0.2865,
0.5242

■ 72.5471, 0.2882,
0.5478

■ 74.8437, 0.2864,
0.4976


■ 72.0148, 0.2912,
0.5670

■ 76.7361, 0.2878,
0.4694


■ 71.9359, 0.2918,
0.5703

■ 79.1898, 0.2905,
0.4410

■ 82.2463, 0.2943,
0.4137

 85.9430, 0.2987,
0.3882

 90.3144, 0.3036,
0.3649

 95.3923, 0.3087,
0.3440

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.



73.4649, 0.3871, 0.5304



73.4649, 0.2865, 0.5242



73.4649, 0.1981, 0.4186

Triad

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



73.4649, 0.2865, 0.5242



73.4649, 0.1558, 0.1754



73.4649, 0.5111, 0.3184

Complementary

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



73.4649, 0.2865, 0.5242



28.3571, 0.3802, 0.2022

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.



73.4649, 0.4230, 0.2528



73.4649, 0.2865, 0.5242



73.4649, 0.2118, 0.1748

Square

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



73.4649, 0.2865, 0.5242



73.4649, 0.1345, 0.2098



73.4649, 0.3062, 0.2020



73.4649, 0.5264, 0.3910

Rectangle

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



73.4649, 0.2865, 0.5242



73.4649, 0.1590, 0.3299



73.4649, 0.3062, 0.2020



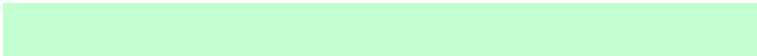
73.4649, 0.4886, 0.2956

Sweetspot

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



73.4657, 0.2865, 0.5242



88.0543, 0.3011, 0.3762



84.8216, 0.3777, 0.5191



18.5188, 0.2994, 0.3847



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.



73.4657, 0.2865, 0.5242



72.1902, 0.2899, 0.5598



76.7818, 0.2479, 0.3929



20.2476, 0.3079, 0.3469



37.6090, 0.2910, 0.5676



3.6790, 0.2850, 0.5461

Inverse Universe

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



28.3571, 0.3802, 0.2022



25.3802, 0.3977, 0.1985



25.1271, 0.5236, 0.2908



18.2130, 0.3179, 0.3117



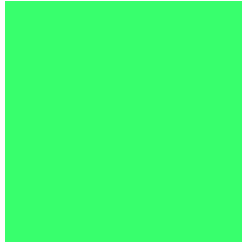
13.0123, 0.4023, 0.1990



1.2851, 0.3909, 0.1927

Previews

White Background



This preview shows how the Yxy color 73.4649, 0.2865, 0.5242 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 73.4649, 0.2865, 0.5242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

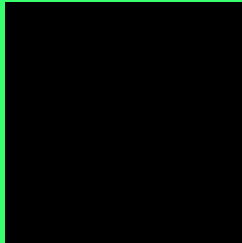
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.4649, 0.2865, 0.5242

Background



This preview shows how black text looks on a background with the Yxy color 73.4649, 0.2865, 0.5242.

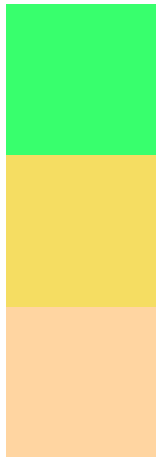


This preview shows how white text looks on a background with the Yxy color 73.4649, 0.2865, 0.5242.

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

73.4649, 0.2865, 0.5242

Protanopia

72.0072, 0.4115, 0.4508

Deuteranopia

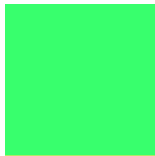
71.4217, 0.3829, 0.3827



Tritanopia

72.5342, 0.2442, 0.3078

Trichromacy



Original Color

73.4649, 0.2865, 0.5242



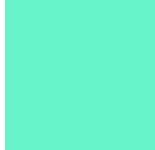
Protanomaly

68.4672, 0.3504, 0.4853



Deuteranomaly

67.5071, 0.3353, 0.4340



Tritanomaly

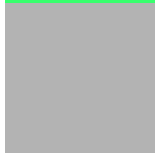
71.8492, 0.2590, 0.3829

Monochromacy



Original Color

73.4649, 0.2865, 0.5242



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

52.0271, 0.2953, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4649, 0.2865, 0.5242 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(56, 255, 109)` looks like.

```
.text, #text, p{  
    color:rgb(56, 255, 109)  
}
```

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(56, 255, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 255, 109) }
```

Border

The CSS property to change the border of an element to Yxy 73.4649, 0.2865, 0.5242 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(56, 255, 109) }
```

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

```
.border{ border-color:rgb(56, 255, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 255, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 255, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 255, 109);  
box-shadow:4px 4px 4px 4px rgb(56, 255,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4649, 0.2865, 0.5242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 255, 109) }
```

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

```
.background{ background-color: rgb(56, 255,  
109) }
```

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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