

Converting Colors

$Y_{xy}(71.0485, 0.2882, 0.5271)$

Have a look what the booklet for
Yxy(71.0485, 0.2882, 0.5271)
contains.

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Color

Yxy(70.9138, 0.2880, 0.5264)

Conversions

Conversions Part 1

Format	Color
Hex	3AFB69
RGB	58, 251, 105
RGB Percent	23%, 98%, 41%
CMY	0.7719, 0.0157, 0.5883
CMYK	0.77, 0.00, 0.58, 0.02
HSL	135°, 96%, 61%
HSV	135°, 77%, 98%
XYZ	38.7978, 70.9138, 25.0030
YIQ	176.6490, -68.1620, -86.3220

Conversions

Conversions Part 2

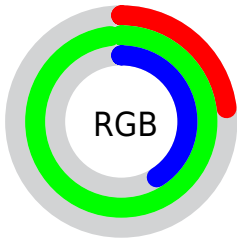
Format	Color
RYB	58, 213, 251
Decimal	3865449
CIELab	87.44, -74.97, 55.88
CIELCh	87, 93.505, 143.303
Yxy	70.9138, 0.2880, 0.5264
Android (android.graphics.Color)	4282055529 (0xFF3AFB69)
YUV	176.6490, -35.3230, -104.0552
Hunter-Lab	84.2103, -65.1286, 41.3433

Details

The Yxy color **70.9138, 0.2880, 0.5264** 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 **27.9181, 0.3730, 0.1994**, and the grayscale version is **44.0120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1264, 0.2937, 0.4474**, and **38.3702, 0.2915, 0.5693** is the 20% darker color. If you saturate the color by 10%, you get **69.9887, 0.2894, 0.5504**, and if you desaturate by 10%, it is **72.2985, 0.2881, 0.4991**.

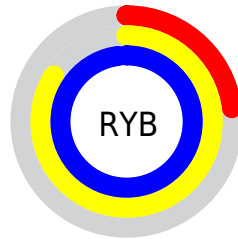
Distribution



Red (23%)

Green (98%)

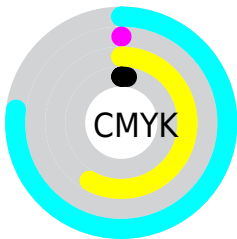
Blue (41%)



Red (23%)

Yellow (84%)

Blue (98%)

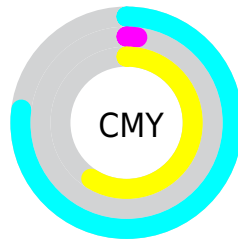


Cyan (77%)

Magenta (0%)

Yellow (58%)

Black (2%)



Cyan (77%)


Magenta (2%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9138, 0.2880, 0.5264 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 70.9138, 0.2880, 0.5264 by changing the saturation by 10% instead.


 70.9138, 0.2880,
0.5264


 70.9138, 0.2880,
0.5264

463.7520, 0.3056,
0.4265


 52.2719, 0.2822,
0.5507


 120.5110, 0.2955,
0.4904

 37.2218, 0.2740,
0.5812


 152.2350, 0.2980,
0.4767

 25.3793, 0.2620,
0.6202

 189.0885, 0.3000,
0.4651

 16.3599, 0.2438,
0.6707

 231.4559, 0.3016,
0.4552

 9.7792, 0.2155,
0.7387

279.7215, 0.3029,
0.4466

 5.2528, 0.1701,
0.8299


334.2698, 0.3039,

 2.3963, 0.0022,


0.4390


0.9978


395.4852, 0.3048,
0.4324


 0.8240, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.9138, 0.2880,
0.5264


 70.9138, 0.2880,
0.5264


 69.9887, 0.2894,
0.5504

 72.2985, 0.2881,
0.4991


 69.4492, 0.2921,
0.5698

 74.1863, 0.2896,
0.4702

 69.3293, 0.2930,
0.5749


 76.6251, 0.2923,
0.4412

 79.6546, 0.2959,
0.4132

 83.3110, 0.3002,
0.3871

 87.6274, 0.3048,
0.3633

 92.6345, 0.3095,
0.3421

 97.4729, 0.3129,
0.3252

Harmonies

Analogous

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



70.9138, 0.3889, 0.5306



70.9138, 0.2880, 0.5264



70.9138, 0.1988, 0.4214

Triad

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



70.9138, 0.2880, 0.5264



70.9138, 0.1545, 0.1751



70.9138, 0.5111, 0.3170

Complementary

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



70.9138, 0.2880, 0.5264



27.9181, 0.3730, 0.1994

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.



70.9138, 0.4215, 0.2514



70.9138, 0.2880, 0.5264



70.9138, 0.2100, 0.1740

Square

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



70.9138, 0.2880, 0.5264



70.9138, 0.1337, 0.2103



70.9138, 0.3041, 0.2007



70.9138, 0.5277, 0.3896

Rectangle

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



70.9138, 0.2880, 0.5264



70.9138, 0.1591, 0.3321



70.9138, 0.3041, 0.2007



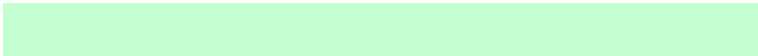
70.9138, 0.4881, 0.2941

Sweetspot

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



70.9167, 0.2880, 0.5264



87.9855, 0.3019, 0.3777



82.4219, 0.3798, 0.5155



18.5025, 0.3002, 0.3866



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.



70.9167, 0.2880, 0.5264



72.2141, 0.2907, 0.5612



74.0472, 0.2495, 0.3962



19.3783, 0.3082, 0.3475



36.4621, 0.2923, 0.5723



3.3930, 0.2862, 0.5502

Inverse Universe

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



27.9181, 0.3730, 0.1994



25.8530, 0.3879, 0.1940



24.6672, 0.5137, 0.2874



17.4483, 0.3175, 0.3112



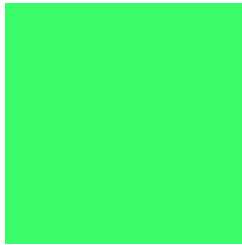
12.7598, 0.3939, 0.1943



1.1984, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 70.9138, 0.2880, 0.5264 looks on a white background.

Color Contrast Check

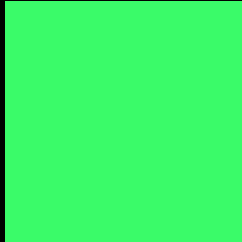
Large Text (above 18pt) WCAG AA × Fail

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 70.9138, 0.2880, 0.5264 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 70.9138, 0.2880, 0.5264

Background



This preview shows how black text looks on a background with the Yxy color 70.9138, 0.2880, 0.5264.

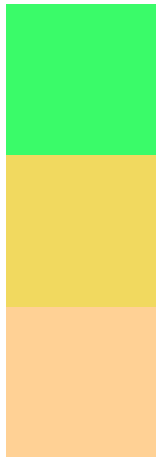


This preview shows how white text looks on a background with the Yxy color 70.9138, 0.2880, 0.5264.

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

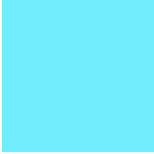
70.9138, 0.2880, 0.5264

Protanopia

69.1527, 0.4124, 0.4515

Deuteranopia

69.0309, 0.3934, 0.3909



Tritanopia

70.6556, 0.2372, 0.3062

Trichromacy



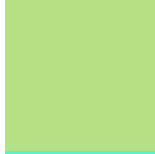
Original Color

70.9138, 0.2880, 0.5264



Protanomaly

66.0534, 0.3525, 0.4856



Deuteranomaly

65.0720, 0.3416, 0.4409



Tritanomaly

69.3560, 0.2554, 0.3827

Monochromacy



Original Color

70.9138, 0.2880, 0.5264



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

50.4884, 0.2971, 0.4053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9138, 0.2880, 0.5264 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(58, 251, 105)` looks like.

```
.text, #text, p{  
    color:rgb(58, 251, 105)  
}
```

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(58, 251, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 251, 105) }
```

Border

The CSS property to change the border of an element to Yxy 70.9138, 0.2880, 0.5264 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(58, 251, 105) }
```

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

```
.border{ border-color:rgb(58, 251, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 251, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 251, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 251, 105);  
box-shadow:4px 4px 4px 4px rgb(58, 251,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9138, 0.2880, 0.5264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 251, 105) }
```

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

```
.background{ background-color: rgb(58, 251,  
105) }
```

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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