

Converting Colors

Yxy(69.6111, 0.2742, 0.4866)

Have a look what the booklet for
Yxy(69.6111, 0.2742, 0.4866)
contains.

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Color

Yxy(69.5370, 0.2741, 0.4862)

Conversions

Conversions Part 1

Format	Color
Hex	31F887
RGB	49, 248, 135
RGB Percent	19%, 97%, 53%
CMY	0.8085, 0.0274, 0.4705
CMYK	0.80, 0.00, 0.46, 0.03
HSL	146°, 93%, 58%
HSV	146°, 80%, 97%
XYZ	39.2022, 69.5370, 34.2822
YIQ	175.6170, -82.3310, -77.3310

Conversions

Conversions Part 2

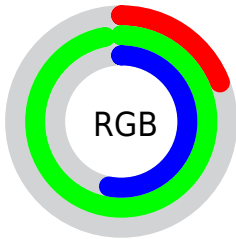
Format	Color
R_{YB}	49, 188, 248
Decimal	3274887
CIE _{Lab}	86.77, -70.78, 41.13
CIE _{LCh}	87, 81.865, 149.842
Yxy	69.5370, 0.2741, 0.4862
Android (android.graphics.Color)	4281464967 (0xFF31F887)
YUV	175.6170, -20.0242, -111.0431
Hunter-Lab	83.3888, -62.0154, 33.9973

Details

The Yxy color **69.5370, 0.2741, 0.4862** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **24.7448, 0.4308, 0.2302**, and the grayscale version is **43.3227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8269, 0.2766, 0.4092**, and **37.4514, 0.2783, 0.5217** is the 20% darker color. If you saturate the color by 10%, you get **68.7149, 0.2760, 0.5072**, and if you desaturate by 10%, it is **70.7555, 0.2741, 0.4640**.

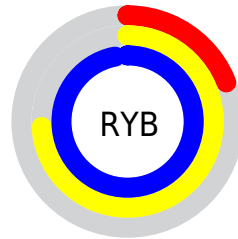
Distribution



Red (19%)

Green (97%)

Blue (53%)



Red (19%)

Yellow (74%)

Blue (97%)

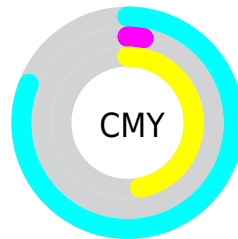


Cyan (80%)

Magenta (0%)

Yellow (46%)

Black (3%)



Cyan (81%)


Magenta (3%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5370, 0.2741, 0.4862 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 69.5370, 0.2741, 0.4862 by changing the saturation by 10% instead.


 69.5370, 0.2741,
0.4862


 69.5370, 0.2741,
0.4862


458.9227, 0.2958,
0.4065


 51.1492, 0.2681,
0.5060


 118.5482, 0.2825,
0.4572

 36.3273, 0.2601,
0.5313


 149.9405, 0.2855,
0.4463

 24.6871, 0.2490,
0.5643


 186.4362, 0.2879,
0.4371

 15.8441, 0.2330,
0.6090

 228.4200, 0.2900,
0.4292

 9.4139, 0.2085,
0.6713

276.2761, 0.2918,
0.4224

 5.0121, 0.1719,
0.7738


330.3890, 0.2933,

 2.2544, 0.0159,


0.4164


0.9841

391.1431, 0.2946,
0.4111


 0.7494, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.5370, 0.2741,
0.4862


 69.5370, 0.2741,
0.4862


 68.7149, 0.2760,
0.5072

 70.7555, 0.2741,
0.4640


 68.2090, 0.2794,
0.5259


 72.4125, 0.2761,
0.4415


 74.5536, 0.2798,
0.4194


 77.2161, 0.2848,
0.3982

 80.4336, 0.2910,
0.3785

 84.2369, 0.2978,
0.3604

 88.6543, 0.3050,
0.3440

 93.7123, 0.3125,
0.3294

 95.6210, 0.3130,
0.3223

Harmonies

Analogous

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



69.5370, 0.3657, 0.5139



69.5370, 0.2741, 0.4862



69.5370, 0.1981, 0.3847

Triad

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



69.5370, 0.2741, 0.4862



69.5370, 0.1773, 0.1869



69.5370, 0.4979, 0.3353

Complementary

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



69.5370, 0.2741, 0.4862



24.7448, 0.4308, 0.2302

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.



69.5370, 0.4303, 0.2722



69.5370, 0.2741, 0.4862



69.5370, 0.2366, 0.1912

Square

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



69.5370, 0.2741, 0.4862



69.5370, 0.1512, 0.2130



69.5370, 0.3281, 0.2213



69.5370, 0.5010, 0.4038

Rectangle

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



69.5370, 0.2741, 0.4862



69.5370, 0.1664, 0.3104



69.5370, 0.3281, 0.2213



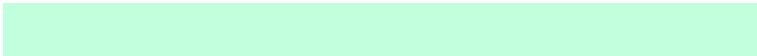
69.5370, 0.4819, 0.3135

Sweetspot

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



69.5398, 0.2741, 0.4862



88.1450, 0.2952, 0.3669



75.3634, 0.3550, 0.5390



18.5598, 0.2927, 0.3734



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.



69.5398, 0.2741, 0.4862



72.8495, 0.2780, 0.5187



73.5830, 0.2344, 0.3497



19.4339, 0.3056, 0.3428



36.8700, 0.2786, 0.5229



3.4356, 0.2721, 0.4996

Inverse Universe

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



24.7448, 0.4308, 0.2302



23.6540, 0.4632, 0.2342



22.5287, 0.5778, 0.3192



17.3902, 0.3205, 0.3156



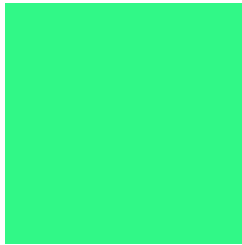
11.8432, 0.4678, 0.2351



1.1182, 0.4454, 0.2227

Previews

White Background



This preview shows how the Yxy color 69.5370, 0.2741, 0.4862 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 69.5370, 0.2741, 0.4862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

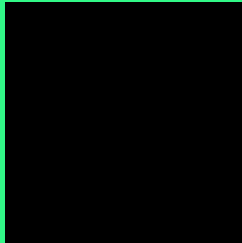
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

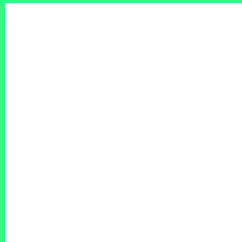
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.5370, 0.2741, 0.4862

Background



This preview shows how black text looks on a background with the Yxy color 69.5370, 0.2741, 0.4862.



This preview shows how white text looks on a background with the Yxy color 69.5370, 0.2741, 0.4862.

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

69.5370, 0.2741, 0.4862

Protanopia

67.8638, 0.3932, 0.4271

Deuteranopia

67.6370, 0.3932, 0.3860



Tritanopia

69.4560, 0.2343, 0.3060

Trichromacy



Original Color

69.5370, 0.2741, 0.4862



Protanomaly

64.7953, 0.3334, 0.4553



Deuteranomaly

63.4605, 0.3327, 0.4240



Tritanomaly

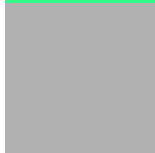
68.8623, 0.2475, 0.3666

Monochromacy



Original Color

69.5370, 0.2741, 0.4862



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

49.5601, 0.2879, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5370, 0.2741, 0.4862 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(49, 248, 135)` looks like.

```
.text, #text, p{  
    color:rgb(49, 248, 135)  
}
```

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(49, 248, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 248, 135) }
```

Border

The CSS property to change the border of an element to Yxy 69.5370, 0.2741, 0.4862 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(49, 248, 135) }
```

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

```
.border{ border-color:rgb(49, 248, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 248, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 248, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 248, 135);  
box-shadow:4px 4px 4px 4px rgb(49, 248,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5370, 0.2741, 0.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 248, 135) }
```

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

```
.background{ background-color: rgb(49, 248,  
135) }
```

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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