

Converting Colors

$Y_{xy}(70.1738, 0.2989, 0.5743)$

Have a look what the booklet for
Yxy(70.1738, 0.2989, 0.5743)
contains.

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Color

Yxy(69.8706, 0.2989, 0.5742)

Conversions

Conversions Part 1

Format	Color
Hex	2EFB39
RGB	46, 251, 57
RGB Percent	18%, 98%, 22%
CMY	0.8186, 0.0157, 0.7764
CMYK	0.82, 0.00, 0.77, 0.02
HSL	123°, 96%, 58%
HSV	123°, 82%, 98%
XYZ	36.3712, 69.8706, 15.4416
YIQ	167.5890, -59.9060, -103.7940

Conversions

Conversions Part 2

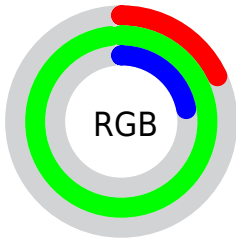
Format	Color
RYB	46, 241, 251
Decimal	3078969
CIELab	86.93, -80.68, 73.17
CIELCh	87, 108.917, 137.792
Yxy	69.8706, 0.2989, 0.5742
Android (android.graphics.Color)	4281269049 (0xFF2EFB39)
YUV	167.5890, -54.5204, -106.6336
Hunter-Lab	83.5886, -68.6110, 47.5592

Details

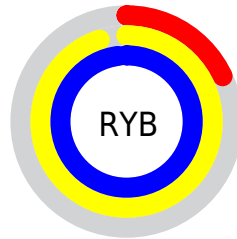
The Yxy color **69.8706, 0.2989, 0.5742** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **28.7874, 0.3315, 0.1688**, and the grayscale version is **39.2790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5738, 0.3104, 0.4993**, and **38.1399, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.2634, 0.2990, 0.5904**, and if you desaturate by 10%, it is **70.9352, 0.2994, 0.5502**.

Distribution



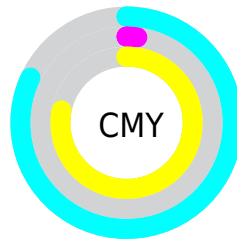
- Red (18%)
- Green (98%)
- Blue (22%)



- Red (18%)
- Yellow (95%)
- Blue (98%)



- Cyan (82%)
- Magenta (0%)
- Yellow (77%)
- Black (2%)





- Cyan (82%)
- Magenta (2%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8706, 0.2989, 0.5742 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 69.8706, 0.2989, 0.5742 by changing the saturation by 10% instead.


 69.8706, 0.2989,
0.5742

 69.8706, 0.2989,
0.5742


460.0955, 0.3157,
0.4511

 51.4211, 0.2918,
0.6029


 119.0242, 0.3072,
0.5306


 36.5438, 0.2814,
0.6378


 150.4970, 0.3097,
0.5138


 24.8545, 0.2656,
0.6803


 187.0798, 0.3116,
0.4994

 15.9687, 0.2418,
0.7334

 229.1568, 0.3129,
0.4871

 9.5020, 0.2043,
0.7957

 277.1125, 0.3139,
0.4763

 5.0700, 0.1457,
0.8543

331.3312, 0.3147,

 2.2884, 0.0000,

0.4669

1.0000

392.1974, 0.3153,
0.4586

■ 0.7676, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 69.8706, 0.2989,
0.5742

■ 69.8706, 0.2989,
0.5742

■ 69.2634, 0.2990,
0.5904


■ 70.9352, 0.2994,
0.5502

■ 69.0207, 0.2994,
0.5977

■ 72.5139, 0.3004,
0.5200


■ 74.6642, 0.3020,
0.4862


■ 77.4337, 0.3040,
0.4514

 80.8652, 0.3061,
0.4176

 84.9976, 0.3083,
0.3861

 89.8667, 0.3104,
0.3577

 95.5061, 0.3124,
0.3326

 97.4711, 0.3129,
0.3252

Harmonies

Analogous

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



69.8706, 0.4110, 0.5463



69.8706, 0.2989, 0.5742



69.8706, 0.1955, 0.4684

Triad

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



69.8706, 0.2989, 0.5742



69.8706, 0.1292, 0.1595



69.8706, 0.5298, 0.2968

Complementary

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



69.8706, 0.2989, 0.5742



28.7874, 0.3315, 0.1688

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.



69.8706, 0.4135, 0.2282



69.8706, 0.2989, 0.5742



69.8706, 0.1813, 0.1536

Square

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



69.8706, 0.2989, 0.5742



69.8706, 0.1129, 0.2039



69.8706, 0.2784, 0.1774



69.8706, 0.5608, 0.3732

Rectangle

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



69.8706, 0.2989, 0.5742



69.8706, 0.1473, 0.3577



69.8706, 0.2784, 0.1774



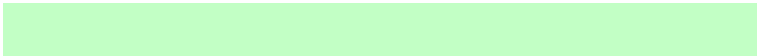
69.8706, 0.4983, 0.2728

Sweetspot

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



69.8735, 0.2989, 0.5742



86.9949, 0.3078, 0.3935



87.8486, 0.4071, 0.5024



18.2892, 0.3070, 0.4047



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.



69.8735, 0.2989, 0.5742



71.5974, 0.2994, 0.5964



72.0763, 0.2644, 0.4550



19.3240, 0.3108, 0.3522



36.2880, 0.2991, 0.5968



3.3659, 0.2969, 0.5889

Inverse Universe

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



28.7874, 0.3315, 0.1688



27.7733, 0.3345, 0.1621



24.3285, 0.4717, 0.2529



17.5079, 0.3146, 0.3068



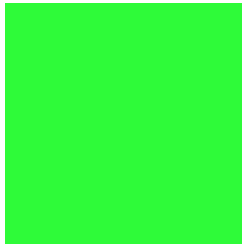
14.0263, 0.3346, 0.1617



1.3038, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 69.8706, 0.2989, 0.5742 looks on a white background.

Color Contrast Check

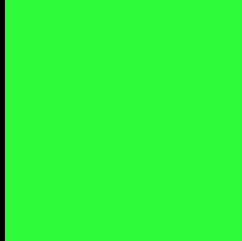
Large Text (above 18pt) WCAG AA × Fail

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 69.8706, 0.2989, 0.5742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

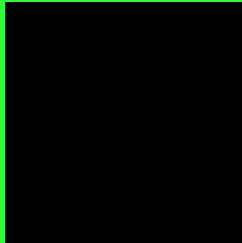
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8706, 0.2989, 0.5742

Background



This preview shows how black text looks on a background with the Yxy color 69.8706, 0.2989, 0.5742.

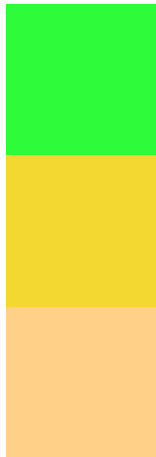


This preview shows how white text looks on a background with the Yxy color 69.8706, 0.2989, 0.5742.

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

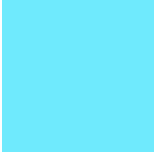
69.8706, 0.2989, 0.5742

Protanopia

68.2024, 0.4327, 0.4782

Deuteranopia

68.1493, 0.4032, 0.4027



Tritanopia

69.3170, 0.2371, 0.3060

Trichromacy



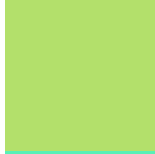
Original Color

69.8706, 0.2989, 0.5742



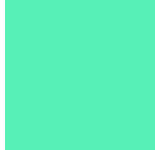
Protanomaly

64.9356, 0.3673, 0.5253



Deuteranomaly

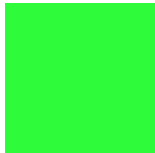
63.9566, 0.3533, 0.4717



Tritanomaly

67.7238, 0.2618, 0.4073

Monochromacy



Original Color

69.8706, 0.2989, 0.5742



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

46.2318, 0.3049, 0.4350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8706, 0.2989, 0.5742 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(46, 251, 57)` looks like.

```
.text, #text, p{  
    color:rgb(46, 251, 57)  
}
```

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(46, 251, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 251, 57) }
```

Border

The CSS property to change the border of an element to Yxy 69.8706, 0.2989, 0.5742 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(46, 251, 57) }
```

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

```
.border{ border-color:rgb(46, 251, 57) }
```

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

Here you see how a box with a 4 pixel rgb(46, 251, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 251, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 251, 57);  
box-shadow:4px 4px 4px 4px rgb(46, 251,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8706, 0.2989, 0.5742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 251, 57) }
```

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

```
.background{ background-color: rgb(46, 251,  
57) }
```

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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