

Converting Colors

$Y_{xy}(41.0558, 0.2910, 0.5676)$

Have a look what the booklet for
Yxy(41.0558, 0.2910, 0.5676)
contains.

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Color

Yxy(41.1039, 0.2911, 0.5680)

Conversions

Conversions Part 1

Format	Color
Hex	00C735
RGB	0, 199, 53
RGB Percent	0%, 78%, 21%
CMY	1.0000, 0.2196, 0.7920
CMYK	1.00, 0.00, 0.73, 0.22
HSL	136°, 100%, 39%
HSV	136°, 100%, 78%
XYZ	21.0657, 41.1039, 10.1964
YIQ	122.8550, -71.7380, -87.5940

Conversions

Conversions Part 2

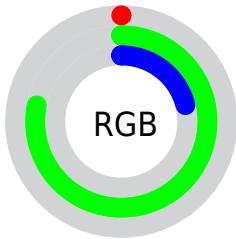
Format	Color
RYB	0, 157, 199
Decimal	50997
CIELab	70.25, -69.17, 57.88
CIELCh	70, 90.197, 140.079
Yxy	41.1039, 0.2911, 0.5680
Android (android.graphics.Color)	4278241077 (0xFF00C735)
YUV	122.8550, -34.4385, -107.7438
Hunter-Lab	64.1123, -53.5458, 35.4492

Details

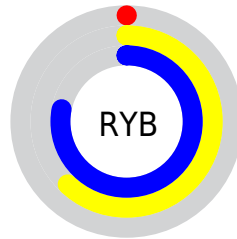
The Yxy color **41.1039, 0.2911, 0.5680** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.2168, 0.4027, 0.1992**, and the grayscale version is **19.8929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4275, 0.3014, 0.5173**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.1063, 0.2911, 0.5680**, and if you desaturate by 10%, it is **41.4095, 0.2883, 0.5491**.

Distribution



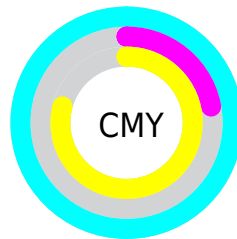
- Red (0%)
- Green (78%)
- Blue (21%)



- Red (0%)
- Yellow (62%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1039, 0.2911, 0.5680 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 41.1039, 0.2911, 0.5680 by changing the saturation by 10% instead.


 41.1039, 0.2911,
0.5680

 41.1039, 0.2911,
0.5680


350.7547, 0.3115,
0.4364

 28.4003, 0.2820,
0.6029


 76.8416, 0.3013,
0.5181


 18.6276, 0.2678,
0.6476


 100.6445, 0.3043,
0.4999


 11.4015, 0.2448,
0.7054


 128.9158, 0.3064,
0.4848

 6.3376, 0.2093,
0.7907

 162.0402, 0.3080,
0.4720

 3.0514, 0.1265,
0.8735

 200.4018, 0.3093,
0.4611

 1.1586, 0.0000,
1.0000

 244.3852, 0.3102,

 0.0275, 0.0000,

0.4517

1.0000

294.3747, 0.3109,
0.4436

■ 0.0000, 0.0000,
0.0000

■ 41.1039, 0.2911,
0.5680

■ 41.1039, 0.2911,
0.5680

■ 41.1063, 0.2911,
0.5680

■ 41.4095, 0.2883,
0.5491

■ 41.9088, 0.2866,
0.5262

■ 42.6601, 0.2863,
0.5001

■ 43.6942, 0.2875,
0.4725

■ 45.0368, 0.2901,
0.4445

■ 46.7111, 0.2937,
0.4174

■ 48.7377, 0.2980,
0.3919

■ 51.1357, 0.3028,
0.3686

■ 53.9227, 0.3077,
0.3476

Harmonies

Analogous

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



41.1039, 0.4025, 0.5498



41.1039, 0.2911, 0.5680



41.1039, 0.1903, 0.4544

Triad

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



41.1039, 0.2911, 0.5680



41.1039, 0.1333, 0.1594



41.1039, 0.5332, 0.3030

Complementary

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



41.1039, 0.2911, 0.5680



14.2168, 0.4027, 0.1992

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.



41.1039, 0.4229, 0.2339



41.1039, 0.2911, 0.5680



41.1039, 0.1882, 0.1558

Square

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



41.1039, 0.2911, 0.5680



41.1039, 0.1145, 0.2001



41.1039, 0.2881, 0.1816



41.1039, 0.5571, 0.3797

Rectangle

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



41.1039, 0.2911, 0.5680



41.1039, 0.1449, 0.3457



41.1039, 0.2881, 0.1816



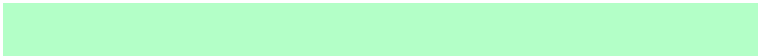
41.1039, 0.5041, 0.2790

Sweetspot

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



41.1063, 0.2911, 0.5680



85.1627, 0.2978, 0.3930



47.2622, 0.3755, 0.5400



17.8894, 0.2959, 0.4037



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.



41.1063, 0.2911, 0.5680



71.9370, 0.2917, 0.5703



43.0268, 0.2478, 0.4122



11.9335, 0.3080, 0.3464



26.4436, 0.2905, 0.5657



1.2645, 0.2785, 0.5225

Inverse Universe

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



14.2168, 0.4027, 0.1992



24.8492, 0.4042, 0.2000



12.3708, 0.5942, 0.3047



10.7665, 0.3178, 0.3122



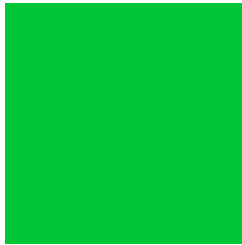
9.1564, 0.4013, 0.1985



0.4451, 0.3810, 0.1872

Previews

White Background



This preview shows how the Yxy color 41.1039, 0.2911, 0.5680 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 41.1039, 0.2911, 0.5680 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 41.1039, 0.2911, 0.5680

Background



This preview shows how black text looks on a background with the Yxy color 41.1039, 0.2911, 0.5680.



This preview shows how white text looks on a background with the Yxy color 41.1039, 0.2911, 0.5680.

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

41.1039, 0.2911, 0.5680

Protanopia

40.3994, 0.4279, 0.4731

Deuteranopia

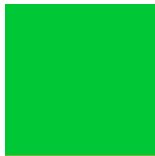
40.2430, 0.4454, 0.4363



Tritanopia

41.1287, 0.2353, 0.3064

Trichromacy



Original Color

41.1039, 0.2911, 0.5680



Protanomaly

37.4071, 0.3520, 0.5245



Deuteranomaly

36.1586, 0.3612, 0.4987



Tritanomaly

40.0983, 0.2546, 0.4033

Monochromacy



Original Color

41.1039, 0.2911, 0.5680



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

24.6348, 0.2905, 0.4361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1039, 0.2911, 0.5680 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(0, 199, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 53)  
}
```

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(0, 199, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 53) }
```

Border

The CSS property to change the border of an element to Yxy 41.1039, 0.2911, 0.5680 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(0, 199, 53) }
```

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

```
.border{ border-color:rgb(0, 199, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.1039, 0.2911, 0.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 53) }
```

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

```
.background{ background-color: rgb(0, 199,  
53) }
```

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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