

Converting Colors

$Y_{xy}(40.9638, 0.2942, 0.5793)$

Have a look what the booklet for
Yxy(40.9638, 0.2942, 0.5793)
contains.

Yxy(41.0069, 0.2943, 0.5796)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.0069, 0.2943, 0.5796)

Conversions

Conversions Part 1

Format	Color
Hex	00C729
RGB	0, 199, 41
RGB Percent	0%, 78%, 16%
CMY	1.0000, 0.2196, 0.8389
CMYK	1.00, 0.00, 0.79, 0.22
HSL	132°, 100%, 39%
HSV	132°, 100%, 78%
XYZ	20.8218, 41.0069, 8.9216
YIQ	121.4870, -67.8860, -91.3260

Conversions

Conversions Part 2

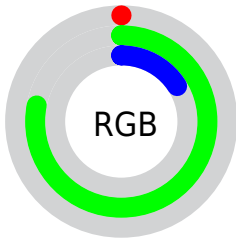
Format	Color
RYB	0, 165, 199
Decimal	50985
CIELab	70.18, -70.05, 61.72
CIELCh	70, 93.365, 138.619
Yxy	41.0069, 0.2943, 0.5796
Android (android.graphics.Color)	4278241065 (0xFF00C729)
YUV	121.4870, -39.6801, -106.5441
Hunter-Lab	64.0366, -54.0239, 36.5653

Details

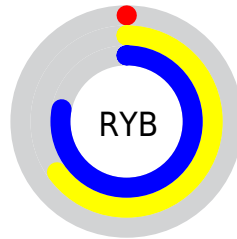
The Yxy color **41.0069, 0.2943, 0.5796** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.6093, 0.3815, 0.1875**, and the grayscale version is **19.4384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3044, 0.3050, 0.5268**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.0105, 0.2943, 0.5796**, and if you desaturate by 10%, it is **41.2916, 0.2921, 0.5623**.

Distribution



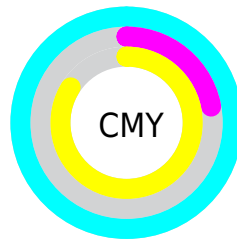
- Red (0%)
- Green (78%)
- Blue (16%)



- Red (0%)
- Yellow (65%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0069, 0.2943, 0.5796 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 41.0069, 0.2943, 0.5796 by changing the saturation by 10% instead.

 41.0069, 0.2943,
0.5796


 41.0069, 0.2943,
0.5796


350.3495, 0.3143,
0.4421


 28.3245, 0.2848,
0.6154


 76.6944, 0.3048,
0.5278


 18.5704, 0.2697,
0.6607


 100.4682, 0.3077,
0.5088


 11.3603, 0.2459,
0.7206


 128.7080, 0.3098,
0.4929

 6.3097, 0.2055,
0.7945

 161.7980, 0.3113,
0.4796

 3.0343, 0.1199,
0.8801

 200.1228, 0.3124,
0.4681

 1.1497, 0.0000,
1.0000

 244.0667, 0.3132,

 0.0200, 0.0000,

0.4583

1.0000

294.0141, 0.3139,
0.4497

■ 0.0000, 0.0000,
0.0000

■ 41.0069, 0.2943,
0.5796

■ 41.0069, 0.2943,
0.5796

■ 41.0105, 0.2943,
0.5796

■ 41.2916, 0.2921,
0.5623

■ 41.7736, 0.2906,
0.5399

■ 42.5134, 0.2903,
0.5132

■ 43.5426, 0.2914,
0.4841

■ 44.8880, 0.2936,
0.4542

■ 46.5733, 0.2967,
0.4249

■ 48.6199, 0.3004,
0.3973

■ 51.0474, 0.3044,
0.3720

■ 53.8740, 0.3086,
0.3492

Harmonies

Analogous

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



41.0069, 0.4082, 0.5520



41.0069, 0.2943, 0.5796



41.0069, 0.1902, 0.4676

Triad

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



41.0069, 0.2943, 0.5796



41.0069, 0.1273, 0.1560



41.0069, 0.5369, 0.2976

Complementary

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



41.0069, 0.2943, 0.5796



14.6093, 0.3815, 0.1875

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.



41.0069, 0.4196, 0.2280



41.0069, 0.2943, 0.5796



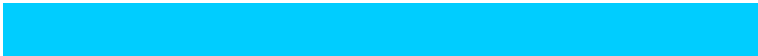
41.0069, 0.1810, 0.1511

Square

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



41.0069, 0.2943, 0.5796



41.0069, 0.1098, 0.1992



41.0069, 0.2808, 0.1760



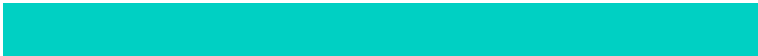
41.0069, 0.5649, 0.3748

Rectangle

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



41.0069, 0.2943, 0.5796



41.0069, 0.1426, 0.3534



41.0069, 0.2808, 0.1760



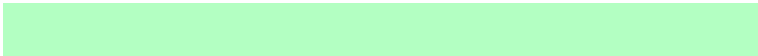
41.0069, 0.5055, 0.2733

Sweetspot

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



41.0105, 0.2943, 0.5796



84.9523, 0.3002, 0.3985



48.2418, 0.3842, 0.5331



17.8408, 0.2986, 0.4101



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.



41.0105, 0.2943, 0.5796



71.7737, 0.2949, 0.5815



42.7229, 0.2529, 0.4303



11.9231, 0.3088, 0.3479



26.3791, 0.2938, 0.5776



1.2598, 0.2828, 0.5380

Inverse Universe

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



14.6093, 0.3815, 0.1875



25.5418, 0.3825, 0.1881



12.4661, 0.5775, 0.2955



10.7777, 0.3169, 0.3109



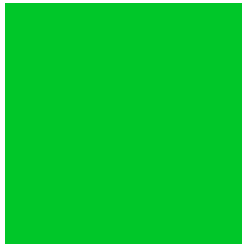
9.4064, 0.3805, 0.1870



0.4551, 0.3658, 0.1789

Previews

White Background



This preview shows how the Yxy color 41.0069, 0.2943, 0.5796 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 41.0069, 0.2943, 0.5796 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

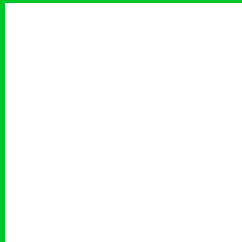
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.0069, 0.2943, 0.5796

Background



This preview shows how black text looks on a background with the Yxy color 41.0069, 0.2943, 0.5796.



This preview shows how white text looks on a background with the Yxy color 41.0069, 0.2943, 0.5796.

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

41.0069, 0.2943, 0.5796

Protanopia

40.4478, 0.4334, 0.4791

Deuteranopia

40.2923, 0.4518, 0.4426



Tritanopia

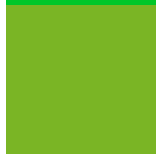
40.7071, 0.2358, 0.3063

Trichromacy



Original Color

41.0069, 0.2943, 0.5796



Protanomaly

37.3189, 0.3563, 0.5343



Deuteranomaly

36.1421, 0.3672, 0.5084



Tritanomaly

39.5368, 0.2574, 0.4109

Monochromacy



Original Color

41.0069, 0.2943, 0.5796



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

23.8454, 0.2943, 0.4458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0069, 0.2943, 0.5796 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 41) }
```

Border

The CSS property to change the border of an element to Yxy 41.0069, 0.2943, 0.5796 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, 41) }
```

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

```
.border{ border-color:rgb(0, 199, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 41);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 41)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.0069, 0.2943, 0.5796 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, 41) }
```

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

```
.background{ background-color: rgb(0, 199,  
41) }
```

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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