

Converting Colors

$Y_{xy}(41.5302, 0.2924, 0.5726)$

Have a look what the booklet for
Yxy(41.5302, 0.2924, 0.5726)
contains.

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Color

Yxy(41.5303, 0.2924, 0.5725)

Conversions

Conversions Part 1

Format	Color
Hex	00C831
RGB	0, 200, 49
RGB Percent	0%, 78%, 19%
CMY	0.9987, 0.2157, 0.8079
CMYK	1.00, 0.00, 0.76, 0.22
HSL	135°, 100%, 39%
HSV	135°, 100%, 78%
XYZ	21.2113, 41.5303, 9.8004
YIQ	122.9860, -70.7290, -89.3610

Conversions

Conversions Part 2

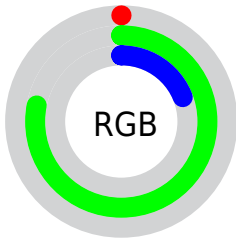
Format	Color
RYB	0, 161, 200
Decimal	51249
CIELab	70.55, -69.76, 59.59
CIELCh	71, 91.745, 139.498
Yxy	41.5303, 0.2924, 0.5725
Android (android.graphics.Color)	4278241329 (0xFF00C831)
YUV	122.9860, -36.4751, -107.8587
Hunter-Lab	64.4440, -54.0250, 36.0942

Details

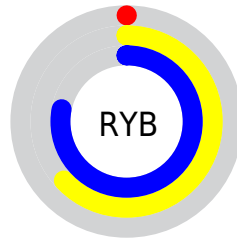
The Yxy color **41.5303, 0.2924, 0.5725** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.5331, 0.3943, 0.1947**, and the grayscale version is **19.9773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4235, 0.3029, 0.5204**, and **19.9465, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.5276, 0.2924, 0.5728**, and if you desaturate by 10%, it is **41.8319, 0.2898, 0.5541**.

Distribution



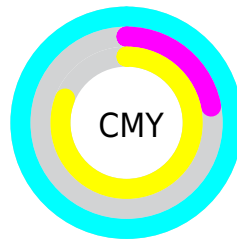
- Red (0%)
- Green (78%)
- Blue (19%)



- Red (0%)
- Yellow (63%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5303, 0.2924, 0.5725 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 41.5303, 0.2924, 0.5725 by changing the saturation by 10% instead.


 41.5303, 0.2924,
0.5725

 41.5303, 0.2924,
0.5725


352.5321, 0.3126,
0.4388

 28.7337, 0.2832,
0.6076


 77.4883, 0.3027,
0.5220


 18.8795, 0.2688,
0.6524


 101.4184, 0.3056,
0.5035

 11.5832, 0.2455,
0.7103


 129.8285, 0.3077,
0.4881

 6.4605, 0.2087,
0.7913

 163.1029, 0.3093,
0.4751

 3.1271, 0.1280,
0.8720

 201.6261, 0.3105,
0.4641

 1.1984, 0.0000,
1.0000

 245.7825, 0.3114,

 0.0604, 0.0000,

0.4545

1.0000

295.9563, 0.3121,
0.4462

■ 0.0000, 0.0000,
0.0000

■ 41.5303, 0.2924,
0.5725

■ 41.5303, 0.2924,
0.5725

■ 41.5276, 0.2924,
0.5728

■ 41.8319, 0.2898,
0.5541

■ 42.3342, 0.2881,
0.5312

■ 43.0943, 0.2879,
0.5048

■ 44.1434, 0.2891,
0.4765

■ 45.5081, 0.2915,
0.4478

■ 47.2118, 0.2949,
0.4198

■ 49.2758, 0.2990,
0.3936

■ 51.7196, 0.3035,
0.3695

■ 54.5610, 0.3081,
0.3479

Harmonies

Analogous

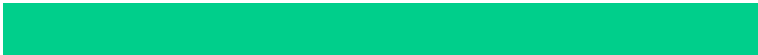
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.5303, 0.4048, 0.5507



41.5303, 0.2924, 0.5725



41.5303, 0.1903, 0.4595

Triad

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



41.5303, 0.2924, 0.5725



41.5303, 0.1309, 0.1581



41.5303, 0.5346, 0.3009

Complementary

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



41.5303, 0.2924, 0.5725



14.5331, 0.3943, 0.1947

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.



41.5303, 0.4216, 0.2316



41.5303, 0.2924, 0.5725



41.5303, 0.1854, 0.1540

Square

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



41.5303, 0.2924, 0.5725



41.5303, 0.1127, 0.1998



41.5303, 0.2852, 0.1794



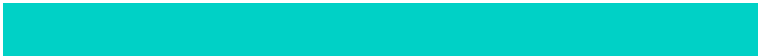
41.5303, 0.5601, 0.3778

Rectangle

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



41.5303, 0.2924, 0.5725



41.5303, 0.1440, 0.3487



41.5303, 0.2852, 0.1794



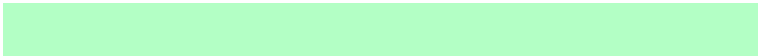
41.5303, 0.5046, 0.2767

Sweetspot

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



41.5320, 0.2924, 0.5725



85.0816, 0.2987, 0.3951



48.1216, 0.3784, 0.5376



17.8706, 0.2969, 0.4061



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.



41.5320, 0.2924, 0.5725



71.8690, 0.2930, 0.5749



43.4095, 0.2495, 0.4181



11.9295, 0.3083, 0.3470



26.4170, 0.2918, 0.5706



1.2627, 0.2801, 0.5283

Inverse Universe

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



14.5331, 0.3943, 0.1947



25.1053, 0.3957, 0.1954



12.5492, 0.5884, 0.3017



10.7707, 0.3174, 0.3117



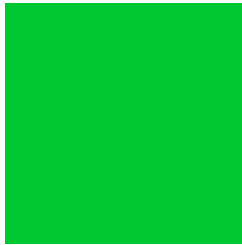
9.2490, 0.3932, 0.1940



0.4488, 0.3751, 0.1840

Previews

White Background



This preview shows how the Yxy color 41.5303, 0.2924, 0.5725 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 41.5303, 0.2924, 0.5725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

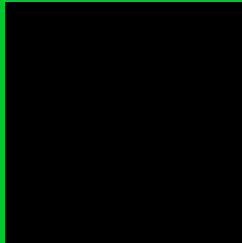
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5303, 0.2924, 0.5725

Background



This preview shows how black text looks on a background with the Yxy color 41.5303, 0.2924, 0.5725.



This preview shows how white text looks on a background with the Yxy color 41.5303, 0.2924, 0.5725.

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

41.5303, 0.2924, 0.5725

Protanopia

40.8787, 0.4296, 0.4758

Deuteranopia

40.7107, 0.4473, 0.4392



Tritanopia

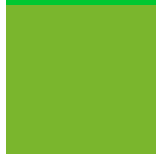
41.1759, 0.2348, 0.3049

Trichromacy



Original Color

41.5303, 0.2924, 0.5725



Protanomaly

37.7829, 0.3530, 0.5288



Deuteranomaly

36.6007, 0.3632, 0.5022



Tritanomaly

40.0670, 0.2552, 0.4051

Monochromacy



Original Color

41.5303, 0.2924, 0.5725



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

24.5974, 0.2921, 0.4403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5303, 0.2924, 0.5725 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, 200, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 49)  
}
```

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, 200, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 49) }
```

Border

The CSS property to change the border of an element to Yxy 41.5303, 0.2924, 0.5725 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, 200, 49) }
```

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

```
.border{ border-color:rgb(0, 200, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 200, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.5303, 0.2924, 0.5725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 49) }
```

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

```
.background{ background-color: rgb(0, 200,  
49) }
```

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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