

Converting Colors

Yxy(41.2680, 0.2842, 0.5431)

Have a look what the booklet for
Yxy(41.2680, 0.2842, 0.5431)
contains.

Yxy(41.3279, 0.2842, 0.5431)	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(41.3279, 0.2842, 0.5431)

Conversions

Conversions Part 1

Format	Color
Hex	00C749
RGB	0, 199, 73
RGB Percent	0%, 78%, 29%
CMY	0.9998, 0.2196, 0.7137
CMYK	1.00, 0.00, 0.63, 0.22
HSL	142°, 100%, 39%
HSV	142°, 100%, 78%
XYZ	21.6266, 41.3279, 13.1418
YIQ	125.1350, -78.1580, -81.3740

Conversions

Conversions Part 2

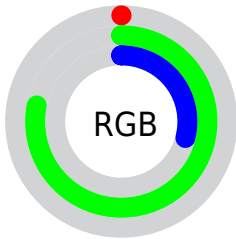
Format	Color
RYB	0, 146, 199
Decimal	51017
CIELab	70.41, -67.19, 50.14
CIElCh	70, 83.831, 143.270
Yxy	41.3279, 0.2842, 0.5431
Android (android.graphics.Color)	4278241097 (0xFF00C749)
YUV	125.1350, -25.7026, -109.7434
Hunter-Lab	64.2868, -52.4531, 32.8804

Details

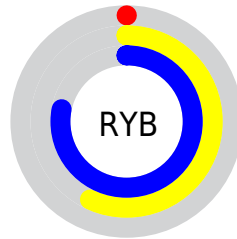
The Yxy color **41.3279, 0.2842, 0.5431** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **13.6507, 0.4413, 0.2205**, and the grayscale version is **20.6696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7931, 0.2940, 0.4964**, and **19.6766, 0.2976, 0.5914** is the 20% darker color. If you saturate the color by 10%, you get **41.3290, 0.2842, 0.5431**, and if you desaturate by 10%, it is **41.6619, 0.2810, 0.5232**.

Distribution



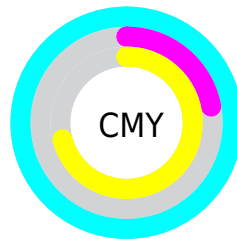
- Red (0%)
- Green (78%)
- Blue (29%)



- Red (0%)
- Yellow (57%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (22%)




- Cyan (100%)
- Magenta (22%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3279, 0.2842, 0.5431 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 41.3279, 0.2842, 0.5431 by changing the saturation by 10% instead.


 41.3279, 0.2842,
0.5431

 41.3279, 0.2842,
0.5431


351.6892, 0.3059,
0.4247

 28.5754, 0.2758,
0.5753


 77.1814, 0.2942,
0.4978


 18.7598, 0.2630,
0.6175


 101.0512, 0.2973,
0.4814

 11.4969, 0.2427,
0.6739


 129.3955, 0.2996,
0.4679

 6.4021, 0.2136,
0.7672

 162.5988, 0.3015,
0.4564

 3.0911, 0.1409,
0.8591

 201.0454, 0.3029,
0.4467

 1.1795, 0.0000,
1.0000

245.1198, 0.3041,

 0.0448, 0.0000,

0.4384

1.0000

295.2062, 0.3051,
0.4311

■ 0.0000, 0.0000,
0.0000

■ 41.3279, 0.2842,
0.5431

■ 41.3279, 0.2842,
0.5431

■ 41.3290, 0.2842,
0.5431

■ 41.6619, 0.2810,
0.5232

■ 42.1820, 0.2792,
0.5010

■ 42.9445, 0.2792,
0.4770

■ 43.9787, 0.2809,
0.4524

■ 45.3097, 0.2841,
0.4281

■ 46.9595, 0.2886,
0.4047

■ 48.9479, 0.2940,
0.3829

■ 51.2933, 0.3000,
0.3630

■ 54.0125, 0.3063,
0.3450

Harmonies

Analogous

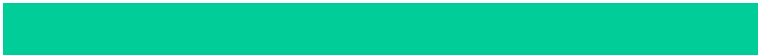
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.3279, 0.3903, 0.5430



41.3279, 0.2842, 0.5431



41.3279, 0.1908, 0.4288

Triad

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



41.3279, 0.2842, 0.5431



41.3279, 0.1462, 0.1666



41.3279, 0.5249, 0.3142

Complementary

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



41.3279, 0.2842, 0.5431



13.6507, 0.4413, 0.2205

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.



41.3279, 0.4288, 0.2463



41.3279, 0.2842, 0.5431



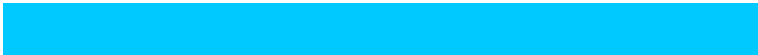
41.3279, 0.2036, 0.1659

Square

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



41.3279, 0.2842, 0.5431



41.3279, 0.1246, 0.2023



41.3279, 0.3028, 0.1937



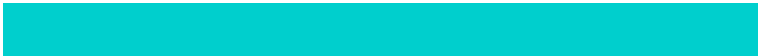
41.3279, 0.5405, 0.3893

Rectangle

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



41.3279, 0.2842, 0.5431



41.3279, 0.1499, 0.3311



41.3279, 0.3028, 0.1937



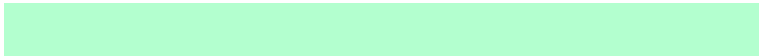
41.3279, 0.5004, 0.2906

Sweetspot

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



41.3296, 0.2842, 0.5431



85.5276, 0.2938, 0.3839



45.2877, 0.3561, 0.5554



17.9742, 0.2914, 0.3931



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.



41.3296, 0.2842, 0.5431



72.3196, 0.2849, 0.5457



43.8452, 0.2365, 0.3715



11.9511, 0.3067, 0.3440



26.5902, 0.2835, 0.5406



1.2730, 0.2714, 0.4971

Inverse Universe

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



13.6507, 0.4413, 0.2205



23.8501, 0.4435, 0.2217



12.2206, 0.6235, 0.3209



10.7481, 0.3193, 0.3145



8.7939, 0.4392, 0.2193



0.4300, 0.4084, 0.2023

Previews

White Background



This preview shows how the Yxy color 41.3279, 0.2842, 0.5431 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 41.3279, 0.2842, 0.5431 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 41.3279, 0.2842, 0.5431

Background



This preview shows how black text looks on a background with the Yxy color 41.3279, 0.2842, 0.5431.



This preview shows how white text looks on a background with the Yxy color 41.3279, 0.2842, 0.5431.

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

41.3279, 0.2842, 0.5431

Protanopia

40.5838, 0.4182, 0.4587

Deuteranopia

40.5361, 0.4306, 0.4229



Tritanopia

41.0403, 0.2344, 0.3063

Trichromacy



Original Color

41.3279, 0.2842, 0.5431



Protanomaly

37.6027, 0.3432, 0.5042



Deuteranomaly

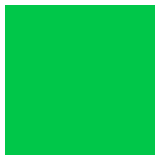
36.6982, 0.3492, 0.4781



Tritanomaly

40.2985, 0.2505, 0.3908

Monochromacy



Original Color

41.3279, 0.2842, 0.5431



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

25.2026, 0.2859, 0.4205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3279, 0.2842, 0.5431 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 73) }
```

Border

The CSS property to change the border of an element to Yxy 41.3279, 0.2842, 0.5431 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, 73) }
```

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

```
.border{ border-color:rgb(0, 199, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 73)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.3279, 0.2842, 0.5431 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, 73) }
```

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

```
.background{ background-color: rgb(0, 199,  
73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor