

Converting Colors

$Y_{xy}(41.8408, 0.2798, 0.5274)$

Have a look what the booklet for
Yxy(41.8408, 0.2798, 0.5274)
contains.

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Color

Yxy(41.9486, 0.2799, 0.5276)

Conversions

Conversions Part 1

Format	Color
Hex	00C854
RGB	0, 200, 84
RGB Percent	0%, 78%, 33%
CMY	0.9996, 0.2157, 0.6707
CMYK	1.00, 0.00, 0.58, 0.22
HSL	145°, 100%, 39%
HSV	145°, 100%, 78%
XYZ	22.2544, 41.9486, 15.3054
YIQ	126.9760, -81.9640, -78.4760

Conversions

Conversions Part 2

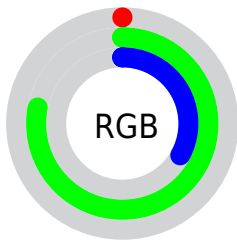
Format	Color
RYB	0, 141, 200
Decimal	51284
CIELab	70.84, -66.12, 45.73
CIELCh	71, 80.389, 145.332
Yxy	41.9486, 0.2799, 0.5276
Android (android.graphics.Color)	4278241364 (0xFF00C854)
YUV	126.9760, -21.1872, -111.3580
Hunter-Lab	64.7677, -52.0104, 31.3265

Details

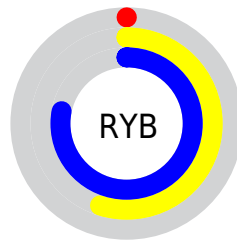
The Yxy color **41.9486, 0.2799, 0.5276** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **13.5458, 0.4629, 0.2324**, and the grayscale version is **21.3199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0928, 0.2895, 0.4826**, and **20.0454, 0.2929, 0.5745** is the 20% darker color. If you saturate the color by 10%, you get **41.9488, 0.2799, 0.5277**, and if you desaturate by 10%, it is **42.2966, 0.2767, 0.5081**.

Distribution



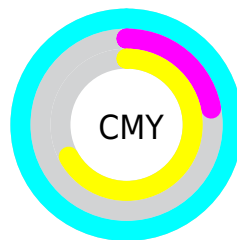
- Red (0%)
- Green (78%)
- Blue (33%)



- Red (0%)
- Yellow (55%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9486, 0.2799, 0.5276 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 41.9486, 0.2799, 0.5276 by changing the saturation by 10% instead.


 41.9486, 0.2799,
0.5276


 41.9486, 0.2799,
0.5276


354.2698, 0.3026,
0.4179

 29.0610, 0.2718,
0.5577


 78.1218, 0.2899,
0.4855


 19.1270, 0.2598,
0.5975


 102.1763, 0.2931,
0.4704

 11.7621, 0.2410,
0.6514


 130.7218, 0.2956,
0.4578

 6.5819, 0.2113,
0.7310

 164.1429, 0.2976,
0.4473

 3.2020, 0.1530,
0.8470

 202.8238, 0.2992,
0.4383

 1.2381, 0.0000,
1.0000

247.1490, 0.3005,

 0.0925, 0.0000,

0.4306

1.0000

297.5029, 0.3016,
0.4238

■ 0.0000, 0.0000,
0.0000

■ 41.9486, 0.2799,
0.5276

■ 41.9486, 0.2799,
0.5276

■ 41.9488, 0.2799,
0.5277

■ 42.2966, 0.2767,
0.5081

■ 42.8286, 0.2750,
0.4868

■ 43.6008, 0.2752,
0.4644

■ 44.6424, 0.2773,
0.4417

■ 45.9784, 0.2810,
0.4194

■ 47.6307, 0.2860,
0.3981

■ 49.6191, 0.2919,
0.3782

■ 51.9618, 0.2986,
0.3600

■ 54.6755, 0.3056,
0.3436

Harmonies

Analogous

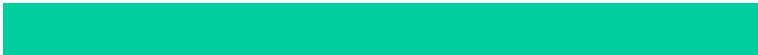
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.9486, 0.3826, 0.5376



41.9486, 0.2799, 0.5276



41.9486, 0.1912, 0.4143

Triad

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



41.9486, 0.2799, 0.5276



41.9486, 0.1543, 0.1712



41.9486, 0.5194, 0.3209

Complementary

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



41.9486, 0.2799, 0.5276



13.5458, 0.4629, 0.2324

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.



41.9486, 0.4318, 0.2539



41.9486, 0.2799, 0.5276



41.9486, 0.2131, 0.1723

Square

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



41.9486, 0.2799, 0.5276



41.9486, 0.1311, 0.2039



41.9486, 0.3115, 0.2012



41.9486, 0.5303, 0.3948

Rectangle

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



41.9486, 0.2799, 0.5276



41.9486, 0.1531, 0.3231



41.9486, 0.3115, 0.2012



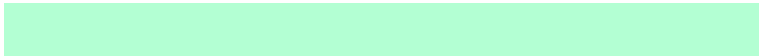
41.9486, 0.4976, 0.2976

Sweetspot

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



41.9503, 0.2799, 0.5276



85.7272, 0.2916, 0.3791



45.0720, 0.3483, 0.5616



18.0210, 0.2890, 0.3875



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.



41.9503, 0.2799, 0.5276



72.5814, 0.2806, 0.5302



44.7439, 0.2319, 0.3549



11.9605, 0.3060, 0.3427



26.6887, 0.2792, 0.5251



1.2781, 0.2675, 0.4829

Inverse Universe

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



13.5458, 0.4629, 0.2324



23.3983, 0.4656, 0.2338



12.3216, 0.6315, 0.3253



10.7384, 0.3201, 0.3157



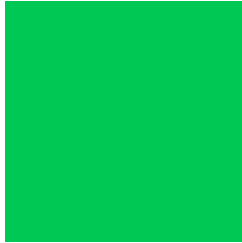
8.6289, 0.4605, 0.2310



0.4228, 0.4238, 0.2108

Previews

White Background



This preview shows how the Yxy color 41.9486, 0.2799, 0.5276 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 41.9486, 0.2799, 0.5276 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 41.9486, 0.2799, 0.5276

Background



This preview shows how black text looks on a background with the Yxy color 41.9486, 0.2799, 0.5276.



This preview shows how white text looks on a background with the Yxy color 41.9486, 0.2799, 0.5276.

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

41.9486, 0.2799, 0.5276

Protanopia

41.0894, 0.4112, 0.4505

Deuteranopia

41.0607, 0.4219, 0.4137



Tritanopia

41.9405, 0.2338, 0.3065

Trichromacy



Original Color

41.9486, 0.2799, 0.5276



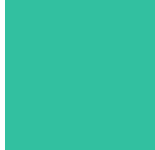
Protanomaly

38.1435, 0.3373, 0.4924



Deuteranomaly

37.2508, 0.3422, 0.4652



Tritanomaly

40.9154, 0.2473, 0.3817

Monochromacy



Original Color

41.9486, 0.2799, 0.5276



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

26.0082, 0.2831, 0.4132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9486, 0.2799, 0.5276 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 84) }
```

Border

The CSS property to change the border of an element to Yxy 41.9486, 0.2799, 0.5276 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, 84) }
```

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

```
.border{ border-color:rgb(0, 200, 84) }
```

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, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 200, 84)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.9486, 0.2799, 0.5276 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, 84) }
```

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

```
.background{ background-color: rgb(0, 200,  
84) }
```

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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