

Converting Colors

$Yxy(42.4838, 0.2840, 0.5425)$

Have a look what the booklet for
Yxy(42.4838, 0.2840, 0.5425)
contains.

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Color

Yxy(42.2677, 0.2841, 0.5429)

Conversions

Conversions Part 1

Format	Color
Hex	00C94A
RGB	0, 201, 74
RGB Percent	0%, 79%, 29%
CMY	1.0000, 0.2117, 0.7098
CMYK	1.00, 0.00, 0.63, 0.21
HSL	142°, 100%, 39%
HSV	142°, 100%, 79%
XYZ	22.1187, 42.2677, 13.4690
YIQ	126.4230, -79.0290, -82.1090

Conversions

Conversions Part 2

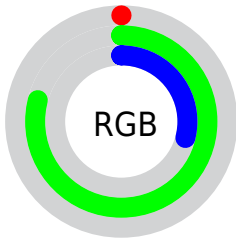
Format	Color
RYB	0, 147, 201
Decimal	51530
CIELab	71.06, -67.69, 50.44
CIELCh	71, 84.419, 143.307
Yxy	42.2677, 0.2841, 0.5429
Android (android.graphics.Color)	4278241610 (0xFF00C94A)
YUV	126.4230, -25.8445, -110.8730
Hunter-Lab	65.0136, -53.0451, 33.2263

Details

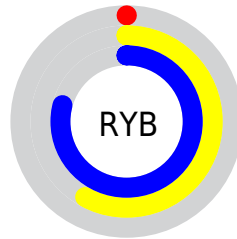
The Yxy color **42.2677, 0.2841, 0.5429** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **13.9516, 0.4419, 0.2208**, and the grayscale version is **21.1273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8771, 0.2940, 0.4950**, and **20.2882, 0.2973, 0.5902** is the 20% darker color. If you saturate the color by 10%, you get **42.2719, 0.2841, 0.5429**, and if you desaturate by 10%, it is **42.6105, 0.2809, 0.5230**.

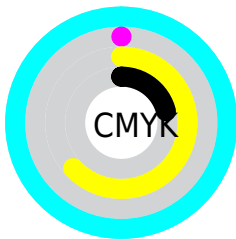
Distribution



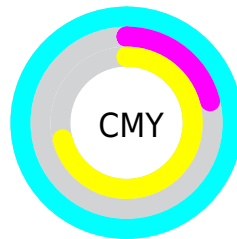
- Red (0%)
- Green (79%)
- Blue (29%)



- Red (0%)
- Yellow (58%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2677, 0.2841, 0.5429 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 42.2677, 0.2841, 0.5429 by changing the saturation by 10% instead.


 42.2677, 0.2841,
0.5429


 42.2677, 0.2841,
0.5429


355.5915, 0.3057,
0.4250

 29.3110, 0.2758,
0.5748


 78.6046, 0.2940,
0.4979


 19.3162, 0.2632,
0.6166


 102.7536, 0.2971,
0.4816

 11.8990, 0.2432,
0.6721


 131.4021, 0.2995,
0.4681

 6.6749, 0.2140,
0.7613

 164.9345, 0.3013,
0.4567

 3.2596, 0.1473,
0.8527

 203.7353, 0.3028,
0.4470

 1.2687, 0.0000,
1.0000

248.1888, 0.3040,

 0.1168, 0.0000,

0.4387

1.0000

298.6794, 0.3049,
0.4314

■ 0.0000, 0.0000,
0.0000

■ 42.2677, 0.2841,
0.5429

■ 42.2677, 0.2841,
0.5429

■ 42.2719, 0.2841,
0.5429

■ 42.6105, 0.2809,
0.5230

■ 43.1412, 0.2791,
0.5008

■ 43.9197, 0.2790,
0.4769

■ 44.9762, 0.2808,
0.4523

■ 46.3363, 0.2840,
0.4280

■ 48.0226, 0.2885,
0.4047

■ 50.0555, 0.2939,
0.3829

■ 52.4537, 0.2999,
0.3630

■ 55.2344, 0.3063,
0.3450

Harmonies

Analogous

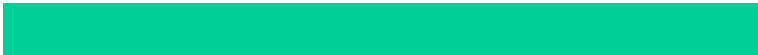
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.2677, 0.3902, 0.5430



42.2677, 0.2841, 0.5429



42.2677, 0.1907, 0.4285

Triad

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



42.2677, 0.2841, 0.5429



42.2677, 0.1463, 0.1667



42.2677, 0.5248, 0.3143

Complementary

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



42.2677, 0.2841, 0.5429



13.9516, 0.4419, 0.2208

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.



42.2677, 0.4289, 0.2464



42.2677, 0.2841, 0.5429



42.2677, 0.2037, 0.1660

Square

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



42.2677, 0.2841, 0.5429



42.2677, 0.1247, 0.2023



42.2677, 0.3029, 0.1938



42.2677, 0.5404, 0.3894

Rectangle

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



42.2677, 0.2841, 0.5429



42.2677, 0.1499, 0.3309



42.2677, 0.3029, 0.1938



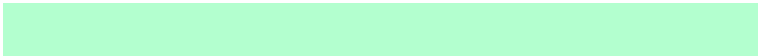
42.2677, 0.5004, 0.2907

Sweetspot

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



42.2719, 0.2841, 0.5429



85.5326, 0.2937, 0.3838



46.3132, 0.3561, 0.5555



17.9754, 0.2913, 0.3929



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.



42.2719, 0.2841, 0.5429



72.3257, 0.2848, 0.5453



44.8417, 0.2365, 0.3715



11.9514, 0.3067, 0.3440



26.5925, 0.2834, 0.5402



1.2731, 0.2713, 0.4967

Inverse Universe

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



13.9516, 0.4419, 0.2208



23.8380, 0.4440, 0.2220



12.4970, 0.6237, 0.3209



10.7478, 0.3193, 0.3145



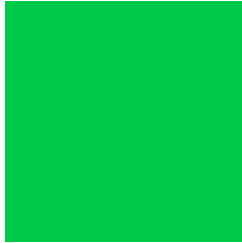
8.7895, 0.4397, 0.2196



0.4298, 0.4088, 0.2025

Previews

White Background



This preview shows how the Yxy color 42.2677, 0.2841, 0.5429 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 42.2677, 0.2841, 0.5429 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 42.2677, 0.2841, 0.5429

Background



This preview shows how black text looks on a background with the Yxy color 42.2677, 0.2841, 0.5429.



This preview shows how white text looks on a background with the Yxy color 42.2677, 0.2841, 0.5429.

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

42.2677, 0.2841, 0.5429

Protanopia

41.4870, 0.4170, 0.4593

Deuteranopia

41.2038, 0.4310, 0.4222



Tritanopia

42.0276, 0.2345, 0.3065

Trichromacy



Original Color

42.2677, 0.2841, 0.5429



Protanomaly

38.4342, 0.3419, 0.5048



Deuteranomaly

37.1893, 0.3491, 0.4773



Tritanomaly

41.2703, 0.2504, 0.3902

Monochromacy



Original Color

42.2677, 0.2841, 0.5429



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

25.5495, 0.2853, 0.4200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2677, 0.2841, 0.5429 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, 201, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 74)  
}
```

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, 201, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 74) }
```

Border

The CSS property to change the border of an element to Yxy 42.2677, 0.2841, 0.5429 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, 201, 74) }
```

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

```
.border{ border-color:rgb(0, 201, 74) }
```

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

Here you see how a box with a 4 pixel rgb(0, 201, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 201, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 42.2677, 0.2841, 0.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 74) }
```

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

```
.background{ background-color: rgb(0, 201,  
74) }
```

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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