

Converting Colors

$Yxy(41.2408, 0.2868, 0.5525)$

Have a look what the booklet for
Yxy(41.2408, 0.2868, 0.5525)
contains.

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Color

Yxy(41.2402, 0.2868, 0.5526)

Conversions

Conversions Part 1

Format	Color
Hex	00C742
RGB	0, 199, 66
RGB Percent	0%, 78%, 26%
CMY	1.0000, 0.2196, 0.7412
CMYK	1.00, 0.00, 0.67, 0.22
HSL	140°, 100%, 39%
HSV	140°, 100%, 78%
XYZ	21.4037, 41.2402, 11.9855
YIQ	124.3370, -75.9110, -83.5510

Conversions

Conversions Part 2

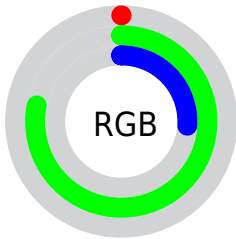
Format	Color
RYB	0, 149, 199
Decimal	51010
CIELab	70.34, -67.98, 53.02
CIELCh	70, 86.207, 142.047
Yxy	41.2402, 0.2868, 0.5526
Android (android.graphics.Color)	4278241090 (0xFF00C742)
YUV	124.3370, -28.7601, -109.0435
Hunter-Lab	64.2185, -52.8893, 33.8873

Details

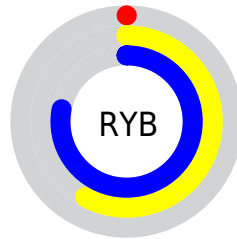
The Yxy color **41.2402, 0.2868, 0.5526** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **13.8369, 0.4274, 0.2128**, and the grayscale version is **20.3929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7008, 0.2968, 0.5035**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.2439, 0.2868, 0.5526**, and if you desaturate by 10%, it is **41.5672, 0.2837, 0.5328**.

Distribution



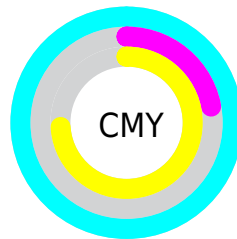
- Red (0%)
- Green (78%)
- Blue (26%)



- Red (0%)
- Yellow (58%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2402, 0.2868, 0.5526 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 41.2402, 0.2868, 0.5526 by changing the saturation by 10% instead.


 41.2402, 0.2868,
0.5526


 41.2402, 0.2868,
0.5526


351.3235, 0.3079,
0.4291


 28.5068, 0.2782,
0.5859


 77.0484, 0.2968,
0.5055


 18.7081, 0.2649,
0.6293


 100.8920, 0.2999,
0.4884


 11.4595, 0.2436,
0.6864


 129.2078, 0.3021,
0.4742

 6.3768, 0.2144,
0.7856

 162.3802, 0.3039,
0.4623

 3.0755, 0.1353,
0.8647

 200.7935, 0.3052,
0.4521

 1.1713, 0.0000,
1.0000


244.8323, 0.3063,


 0.0381, 0.0000,


0.4434


1.0000


294.8808, 0.3072,
0.4358


 0.0000, 0.0000,
0.0000


 41.2402, 0.2868,
0.5526


 41.2402, 0.2868,
0.5526


 41.2439, 0.2868,
0.5526

 41.5672, 0.2837,
0.5328

 42.0810, 0.2819,
0.5101

 42.8406, 0.2817,
0.4853

 43.8756, 0.2832,
0.4595

 45.2115, 0.2862,
0.4339

■ 46.8705, 0.2904,
0.4092

■ 48.8728, 0.2954,
0.3861

■ 51.2368, 0.3010,
0.3650

■ 53.9798, 0.3068,
0.3459

Harmonies

Analogous

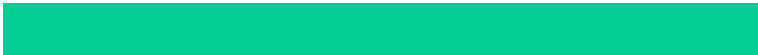
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.2402, 0.3950, 0.5459



41.2402, 0.2868, 0.5526



41.2402, 0.1906, 0.4381

Triad

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



41.2402, 0.2868, 0.5526



41.2402, 0.1412, 0.1638



41.2402, 0.5281, 0.3100

Complementary

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



41.2402, 0.2868, 0.5526



13.8369, 0.4274, 0.2128

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.



41.2402, 0.4268, 0.2417



41.2402, 0.2868, 0.5526



41.2402, 0.1978, 0.1620

Square

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



41.2402, 0.2868, 0.5526



41.2402, 0.1207, 0.2014



41.2402, 0.2973, 0.1891



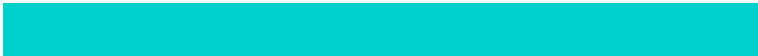
41.2402, 0.5468, 0.3858

Rectangle

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



41.2402, 0.2868, 0.5526



41.2402, 0.1479, 0.3364



41.2402, 0.2973, 0.1891



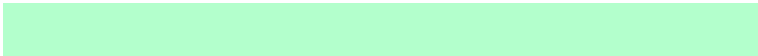
41.2402, 0.5020, 0.2862

Sweetspot

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



41.2439, 0.2868, 0.5526



85.3976, 0.2952, 0.3871



46.0839, 0.3643, 0.5490



17.9439, 0.2930, 0.3968



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.



41.2439, 0.2868, 0.5526



72.1690, 0.2875, 0.5551



43.4779, 0.2413, 0.3887



11.9449, 0.3072, 0.3448



26.5330, 0.2861, 0.5501



1.2698, 0.2739, 0.5062

Inverse Universe

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



13.8369, 0.4274, 0.2128



24.1787, 0.4293, 0.2138



12.2736, 0.6128, 0.3149



10.7545, 0.3187, 0.3137



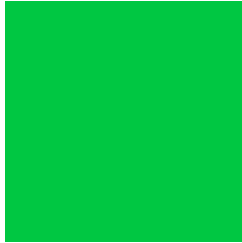
8.9134, 0.4255, 0.2118



0.4351, 0.3985, 0.1969

Previews

White Background



This preview shows how the Yxy color 41.2402, 0.2868, 0.5526 looks on a white background.

Color Contrast Check

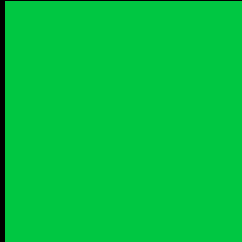
Large Text (above 18pt) WCAG AA × Fail

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 41.2402, 0.2868, 0.5526 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 41.2402, 0.2868, 0.5526

Background



This preview shows how black text looks on a background with the Yxy color 41.2402, 0.2868, 0.5526.



This preview shows how white text looks on a background with the Yxy color 41.2402, 0.2868, 0.5526.

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

41.2402, 0.2868, 0.5526

Protanopia

40.5077, 0.4222, 0.4645

Deuteranopia

40.2396, 0.4369, 0.4272



Tritanopia

41.0842, 0.2348, 0.3064

Trichromacy



Original Color

41.2402, 0.2868, 0.5526



Protanomaly

37.5222, 0.3467, 0.5124



Deuteranomaly

36.2227, 0.3534, 0.4849



Tritanomaly

40.2587, 0.2519, 0.3943

Monochromacy



Original Color

41.2402, 0.2868, 0.5526



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.7748, 0.2874, 0.4253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2402, 0.2868, 0.5526 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 66) }
```

Border

The CSS property to change the border of an element to Yxy 41.2402, 0.2868, 0.5526 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, 66) }
```

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

```
.border{ border-color:rgb(0, 199, 66) }
```

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, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 66);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 66)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.2402, 0.2868, 0.5526 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, 66) }
```

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

```
.background{ background-color: rgb(0, 199,  
66) }
```

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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