

Converting Colors

$Y_{xy}(41.5216, 0.2879, 0.5564)$

Have a look what the booklet for
Yxy(41.5216, 0.2879, 0.5564)
contains.

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Color

Yxy(41.6674, 0.2880, 0.5568)

Conversions

Conversions Part 1

Format	Color
Hex	00C83F
RGB	0, 200, 63
RGB Percent	0%, 78%, 25%
CMY	1.0000, 0.2157, 0.7528
CMYK	1.00, 0.00, 0.68, 0.22
HSL	139°, 100%, 39%
HSV	139°, 100%, 78%
XYZ	21.5521, 41.6674, 11.6142
YIQ	124.5820, -75.2230, -85.0070

Conversions

Conversions Part 2

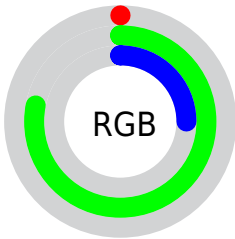
Format	Color
RYB	0, 152, 200
Decimal	51263
CIELab	70.64, -68.56, 54.53
CIELCh	71, 87.598, 141.500
Yxy	41.6674, 0.2880, 0.5568
Android (android.graphics.Color)	4278241343 (0xFF00C83F)
YUV	124.5820, -30.3599, -109.2584
Hunter-Lab	64.5503, -53.3653, 34.5175

Details

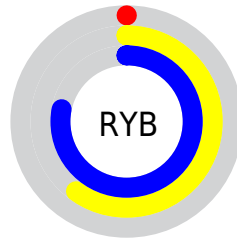
The Yxy color **41.6674, 0.2880, 0.5568** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.0849, 0.4210, 0.2093**, and the grayscale version is **20.4852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6291, 0.2980, 0.5070**, and **19.9465, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.6692, 0.2880, 0.5568**, and if you desaturate by 10%, it is **41.9907, 0.2849, 0.5372**.

Distribution



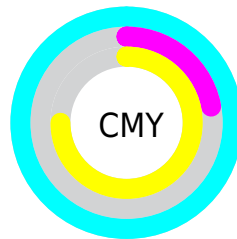
- Red (0%)
- Green (78%)
- Blue (25%)



- Red (0%)
- Yellow (60%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (68%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6674, 0.2880, 0.5568 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 41.6674, 0.2880, 0.5568 by changing the saturation by 10% instead.


 41.6674, 0.2880,
0.5568


 41.6674, 0.2880,
0.5568

353.1023, 0.3089,
0.4313


 28.8409, 0.2793,
0.5904

 77.6960, 0.2980,
0.5091

 18.9605, 0.2659,
0.6340


 101.6669, 0.3010,
0.4917


 11.6418, 0.2443,
0.6909


 130.1215, 0.3033,
0.4773

 6.5002, 0.2138,
0.7862

 163.4441, 0.3050,
0.4651

 3.1516, 0.1365,
0.8635

 202.0190, 0.3063,
0.4548

 1.2114, 0.0000,
1.0000

246.2308, 0.3074,

 0.0710, 0.0000,

0.4459


1.0000


296.4638, 0.3082,
0.4381


 0.0000, 0.0000,
0.0000


 41.6674, 0.2880,
0.5568


 41.6674, 0.2880,
0.5568


 41.6692, 0.2880,
0.5568

 41.9907, 0.2849,
0.5372

 42.5065, 0.2831,
0.5143

 43.2726, 0.2829,
0.4892

 44.3192, 0.2843,
0.4629

 45.6721, 0.2872,
0.4366

■ 47.3541, 0.2912,
0.4113

■ 49.3857, 0.2961,
0.3876

■ 51.7857, 0.3014,
0.3659

■ 54.5717, 0.3070,
0.3464

Harmonies

Analogous

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



41.6674, 0.3971, 0.5471



41.6674, 0.2880, 0.5568



41.6674, 0.1905, 0.4425

Triad

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



41.6674, 0.2880, 0.5568



41.6674, 0.1390, 0.1626



41.6674, 0.5295, 0.3081

Complementary

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



41.6674, 0.2880, 0.5568



14.0849, 0.4210, 0.2093

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.



41.6674, 0.4257, 0.2396



41.6674, 0.2880, 0.5568



41.6674, 0.1952, 0.1603

Square

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



41.6674, 0.2880, 0.5568



41.6674, 0.1190, 0.2011



41.6674, 0.2948, 0.1871



41.6674, 0.5496, 0.3842

Rectangle

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



41.6674, 0.2880, 0.5568



41.6674, 0.1471, 0.3388



41.6674, 0.2948, 0.1871



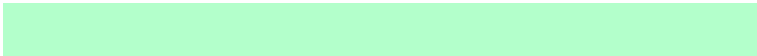
41.6674, 0.5026, 0.2843

Sweetspot

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



41.6692, 0.2880, 0.5568



85.3375, 0.2958, 0.3886



46.8855, 0.3670, 0.5468



17.9299, 0.2937, 0.3985



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.



41.6692, 0.2880, 0.5568



72.1047, 0.2887, 0.5592



43.8480, 0.2429, 0.3945



11.9420, 0.3074, 0.3452



26.5084, 0.2873, 0.5543



1.2684, 0.2751, 0.5104

Inverse Universe

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



14.0849, 0.4210, 0.2093



24.3405, 0.4228, 0.2103



12.4330, 0.6086, 0.3126



10.7575, 0.3185, 0.3133



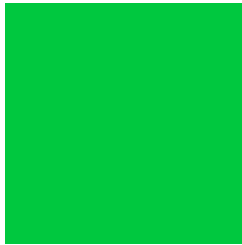
8.9722, 0.4193, 0.2083



0.4375, 0.3940, 0.1944

Previews

White Background



This preview shows how the Yxy color 41.6674, 0.2880, 0.5568 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 41.6674, 0.2880, 0.5568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

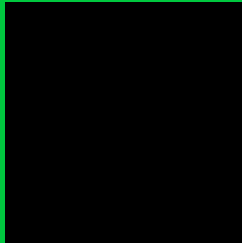
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6674, 0.2880, 0.5568

Background



This preview shows how black text looks on a background with the Yxy color 41.6674, 0.2880, 0.5568.



This preview shows how white text looks on a background with the Yxy color 41.6674, 0.2880, 0.5568.

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

41.6674, 0.2880, 0.5568

Protanopia

40.9874, 0.4238, 0.4672

Deuteranopia

40.7132, 0.4385, 0.4296



Tritanopia

41.5542, 0.2347, 0.3064

Trichromacy



Original Color

41.6674, 0.2880, 0.5568



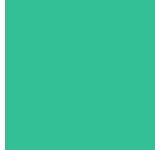
Protanomaly

37.8990, 0.3477, 0.5164



Deuteranomaly

36.6565, 0.3557, 0.4891



Tritanomaly

40.6637, 0.2528, 0.3976

Monochromacy



Original Color

41.6674, 0.2880, 0.5568



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

25.1213, 0.2891, 0.4288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6674, 0.2880, 0.5568 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 63) }
```

Border

The CSS property to change the border of an element to Yxy 41.6674, 0.2880, 0.5568 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, 63) }
```

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

```
.border{ border-color:rgb(0, 200, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 63);  
box-shadow:4px 4px 4px 4px rgb(0, 200, 63)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.6674, 0.2880, 0.5568 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, 63) }
```

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

```
.background{ background-color: rgb(0, 200,  
63) }
```

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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