

Converting Colors

$Y_{xy}(43.4635, 0.2909, 0.5674)$

Have a look what the booklet for
Yxy(43.4635, 0.2909, 0.5674)
contains.

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Color

Yxy(43.4616, 0.2910, 0.5676)

Conversions

Conversions Part 1

Format	Color
Hex	00CC37
RGB	0, 204, 55
RGB Percent	0%, 80%, 22%
CMY	1.0000, 0.2000, 0.7844
CMYK	1.00, 0.00, 0.73, 0.20
HSL	136°, 100%, 40%
HSV	136°, 100%, 80%
XYZ	22.2821, 43.4616, 10.8271
YIQ	126.0180, -73.7550, -89.5870

Conversions

Conversions Part 2

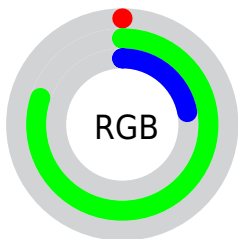
Format	Color
RYB	0, 161, 204
Decimal	52279
CIELab	71.87, -70.44, 58.84
CIELCh	72, 91.777, 140.127
Yxy	43.4616, 0.2910, 0.5676
Android (android.graphics.Color)	4278242359 (0xFF00CC37)
YUV	126.0180, -35.0119, -110.5178
Hunter-Lab	65.9254, -55.0383, 36.4104

Details

The Yxy color **43.4616, 0.2910, 0.5676** 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 **15.0083, 0.4040, 0.1999**, and the grayscale version is **21.0111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6108, 0.3011, 0.5135**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.4634, 0.2910, 0.5676**, and if you desaturate by 10%, it is **43.7815, 0.2882, 0.5487**.

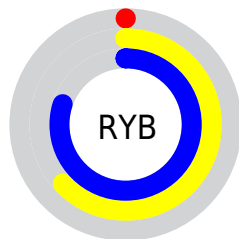
Distribution



Red (0%)

Green (80%)

Blue (22%)



Red (0%)

Yellow (63%)

Blue (80%)

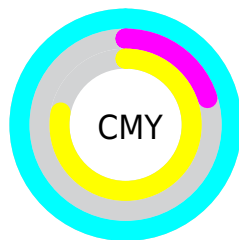


Cyan (100%)

Magenta (0%)

Yellow (73%)

Black (20%)



Cyan (100%)


Magenta (20%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4616, 0.2910, 0.5676 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 43.4616, 0.2910, 0.5676 by changing the saturation by 10% instead.

 43.4616, 0.2910,
0.5676


 43.4616, 0.2910,
0.5676


360.5067, 0.3113,
0.4373

 30.2475, 0.2821,
0.6017


 80.4070, 0.3011,
0.5185

 20.0265, 0.2684,
0.6453


 104.9070, 0.3040,
0.5005


 12.4143, 0.2462,
0.7011


 133.9378, 0.3062,
0.4855

 7.0265, 0.2136,
0.7864

 167.8837, 0.3078,
0.4728

 3.4787, 0.1432,
0.8568

 207.1291, 0.3090,
0.4620

 1.3864, 0.0000,
1.0000

252.0585, 0.3100,

 0.2067, 0.0000,

0.4527

1.0000

303.0562, 0.3107,
0.4445

■ 0.0000, 0.0000,
0.0000

■ 43.4616, 0.2910,
0.5676

■ 43.4616, 0.2910,
0.5676

■ 43.4634, 0.2910,
0.5676

■ 43.7815, 0.2882,
0.5487

■ 44.3076, 0.2864,
0.5258

■ 45.1004, 0.2861,
0.4998

■ 46.1922, 0.2873,
0.4721

■ 47.6108, 0.2899,
0.4442

■ 49.3805, 0.2935,
0.4172

■ 51.5234, 0.2979,
0.3918

■ 54.0595, 0.3027,
0.3685

■ 57.0077, 0.3077,
0.3476

Harmonies

Analogous

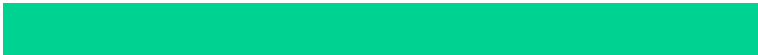
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.4616, 0.4023, 0.5497



43.4616, 0.2910, 0.5676



43.4616, 0.1904, 0.4540

Triad

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



43.4616, 0.2910, 0.5676



43.4616, 0.1335, 0.1595



43.4616, 0.5331, 0.3032

Complementary

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



43.4616, 0.2910, 0.5676



15.0083, 0.4040, 0.1999

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.



43.4616, 0.4230, 0.2341



43.4616, 0.2910, 0.5676



43.4616, 0.1885, 0.1559

Square

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



43.4616, 0.2910, 0.5676



43.4616, 0.1146, 0.2002



43.4616, 0.2883, 0.1818



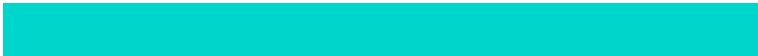
43.4616, 0.5568, 0.3799

Rectangle

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



43.4616, 0.2910, 0.5676



43.4616, 0.1450, 0.3454



43.4616, 0.2883, 0.1818



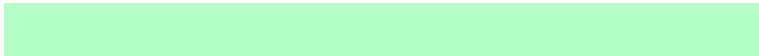
43.4616, 0.5041, 0.2791

Sweetspot

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



43.4634, 0.2910, 0.5676



85.1734, 0.2977, 0.3927



49.6341, 0.3726, 0.5424



17.8918, 0.2958, 0.4034



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.



43.4634, 0.2910, 0.5676



71.9464, 0.2916, 0.5696



45.6017, 0.2462, 0.4064



12.5858, 0.3080, 0.3464



27.3686, 0.2903, 0.5652



1.4249, 0.2792, 0.5251

Inverse Universe

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



15.0083, 0.4040, 0.1999



24.8164, 0.4053, 0.2006



13.0481, 0.5996, 0.3077



11.3501, 0.3178, 0.3122



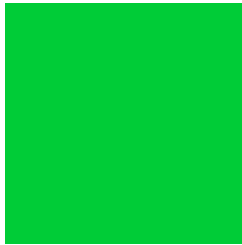
9.4622, 0.4025, 0.1991



0.5004, 0.3831, 0.1884

Previews

White Background



This preview shows how the Yxy color 43.4616, 0.2910, 0.5676 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 43.4616, 0.2910, 0.5676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

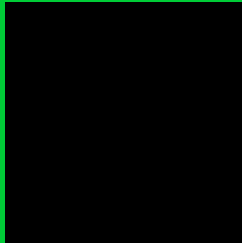
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.4616, 0.2910, 0.5676

Background



This preview shows how black text looks on a background with the Yxy color 43.4616, 0.2910, 0.5676.



This preview shows how white text looks on a background with the Yxy color 43.4616, 0.2910, 0.5676.

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

43.4616, 0.2910, 0.5676

Protanopia

42.6091, 0.4281, 0.4723

Deuteranopia

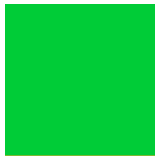
42.4538, 0.4452, 0.4362



Tritanopia

43.1680, 0.2349, 0.3054

Trichromacy



Original Color

43.4616, 0.2910, 0.5676



Protanomaly

39.7168, 0.3514, 0.5245



Deuteranomaly

38.4160, 0.3603, 0.4992



Tritanomaly

42.0215, 0.2541, 0.4018

Monochromacy



Original Color

43.4616, 0.2910, 0.5676



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

25.7368, 0.2908, 0.4361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4616, 0.2910, 0.5676 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, 204, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 55)  
}
```

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, 204, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 55) }
```

Border

The CSS property to change the border of an element to Yxy 43.4616, 0.2910, 0.5676 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, 204, 55) }
```

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

```
.border{ border-color:rgb(0, 204, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 55)  
}
```


Background

The CSS property to change the background color of an element to Yxy 43.4616, 0.2910, 0.5676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 55) }
```

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

```
.background{ background-color: rgb(0, 204,  
55) }
```

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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