

# Converting Colors

$Yxy(44.0856, 0.2741, 0.5069)$

Have a look what the booklet for  
Yxy(44.0856, 0.2741, 0.5069)  
contains.

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# Color

**Yxy(44.0866, 0.2741, 0.5068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CC63
RGB	0, 204, 99
RGB Percent	0%, 80%, 39%
CMY	1.0000, 0.2000, 0.6117
CMYK	1.00, 0.00, 0.51, 0.20
HSL	149°, 100%, 40%
HSV	149°, 100%, 80%
XYZ	23.8440, 44.0866, 19.0595
YIQ	131.0340, -87.8790, -75.9030

# Conversions

## Conversions Part 2

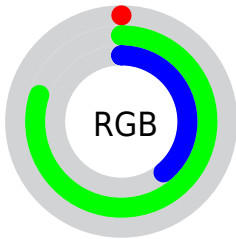
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 137, 204
Decimal	52323
CIELab	72.29, -65.20, 40.34
CIELCh	72, 76.671, 148.256
Yxy	44.0866, 0.2741, 0.5068
Android (android.graphics.Color)	4278242403 (0xFF00CC63)
YUV	131.0340, -15.7928, -114.9168
Hunter-Lab	66.3977, -52.0952, 29.4592

# Details

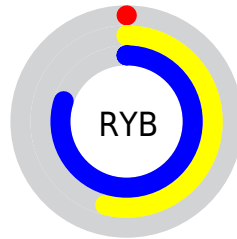
The Yxy color **44.0866, 0.2741, 0.5068** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.8579, 0.4911, 0.2479**, and the grayscale version is **22.7922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6118, 0.2834, 0.4628**, and **21.4016, 0.2858, 0.5488** is the 20% darker color. If you saturate the color by 10%, you get **44.0893, 0.2741, 0.5068**, and if you desaturate by 10%, it is **44.4563, 0.2711, 0.4884**.

# Distribution



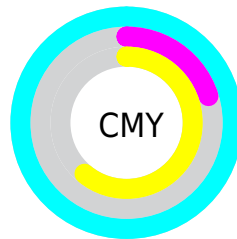
- Red (0%)
- Green (80%)
- Blue (39%)



- Red (0%)
- Yellow (54%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0866, 0.2741, 0.5068 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 44.0866, 0.2741, 0.5068 by changing the saturation by 10% instead.




 44.0866, 0.2741,  
0.5068


 44.0866, 0.2741,  
0.5068

363.0616, 0.2983,  
0.4094

 30.7386, 0.2663,  
0.5335


 81.3480, 0.2842,  
0.4695

 20.3999, 0.2551,  
0.5689


 106.0303, 0.2875,  
0.4561

 12.6861, 0.2383,  
0.6175

 135.2594, 0.2903,  
0.4449

 7.2127, 0.2113,  
0.6864

 169.4197, 0.2925,  
0.4356

 3.5955, 0.1732,  
0.8268

 208.8957, 0.2943,  
0.4276

 1.4500, 0.0000,  
1.0000


254.0717, 0.2958,

 0.2531, 0.0000,

0.4207


1.0000


305.3322, 0.2971,  
0.4147


 0.0000, 0.0000,  
0.0000


 44.0866, 0.2741,  
0.5068


 44.0866, 0.2741,  
0.5068


 44.0893, 0.2741,  
0.5068

 44.4563, 0.2711,  
0.4884

 45.0118, 0.2697,  
0.4689

 45.8121, 0.2703,  
0.4487

 46.8876, 0.2728,  
0.4285

 48.2640, 0.2770,  
0.4088

■ 49.9642, 0.2826,  
0.3901

■ 52.0084, 0.2893,  
0.3726

■ 54.4155, 0.2967,  
0.3565

■ 57.2026, 0.3046,  
0.3420

# Harmonies

## Analogous

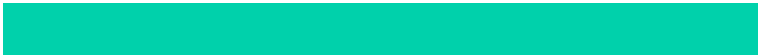
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.0866, 0.3721, 0.5288



44.0866, 0.2741, 0.5068



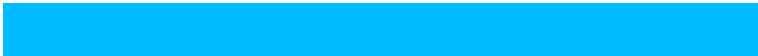
44.0866, 0.1918, 0.3963

# Triad

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



44.0866, 0.2741, 0.5068



44.0866, 0.1656, 0.1775



44.0866, 0.5117, 0.3298

# Complementary

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



44.0866, 0.2741, 0.5068



13.8579, 0.4911, 0.2479

# 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.



44.0866, 0.4351, 0.2640



44.0866, 0.2741, 0.5068



44.0866, 0.2261, 0.1810

# Square

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



44.0866, 0.2741, 0.5068



44.0866, 0.1400, 0.2061



44.0866, 0.3228, 0.2113



44.0866, 0.5166, 0.4017



# Rectangle

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



44.0866, 0.2741, 0.5068



44.0866, 0.1574, 0.3132



44.0866, 0.3228, 0.2113



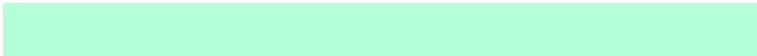
44.0866, 0.4933, 0.3070

# Sweetspot

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



44.0893, 0.2741, 0.5068



85.9829, 0.2890, 0.3732



46.2159, 0.3384, 0.5695



18.0812, 0.2861, 0.3806



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

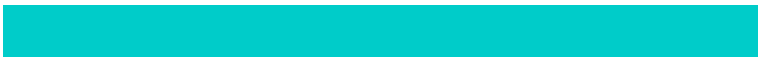
The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.0893, 0.2741, 0.5068



72.9692, 0.2747, 0.5090



47.3867, 0.2261, 0.3338



12.6262, 0.3051, 0.3412



27.7674, 0.2734, 0.5043



1.4478, 0.2632, 0.4676



# Inverse Universe

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



13.8579, 0.4911, 0.2479



22.9052, 0.4938, 0.2494



12.8456, 0.6385, 0.3291



11.3085, 0.3211, 0.3171



8.7407, 0.4881, 0.2462



0.4662, 0.4467, 0.2235



# Previews

## White Background



This preview shows how the Yxy color 44.0866, 0.2741, 0.5068 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 44.0866, 0.2741, 0.5068 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 44.0866, 0.2741, 0.5068**

## Background



This preview shows how black text looks on a background with the Yxy color 44.0866, 0.2741, 0.5068.



This preview shows how white text looks on a background with the Yxy color 44.0866, 0.2741, 0.5068.

# 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

44.0866, 0.2741, 0.5068

### Protanopia

43.2413, 0.4017, 0.4389

### Deuteranopia

43.2341, 0.4104, 0.4018



## Tritanopia

43.9156, 0.2327, 0.3055

# Trichromacy



## Original Color

44.0866, 0.2741, 0.5068



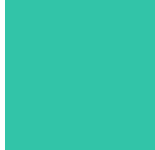
## Protanomaly

40.1191, 0.3280, 0.4750



## Deuteranomaly

39.3019, 0.3324, 0.4469



## Tritanomaly

42.9851, 0.2446, 0.3739

# Monochromacy



## Original Color

44.0866, 0.2741, 0.5068



## Achromatopsia

22.6966, 0.3127, 0.3290



## Achromatomaly

27.6246, 0.2791, 0.4031

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0866, 0.2741, 0.5068 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0866, 0.2741, 0.5068 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, 99) }
```

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

```
.border{ border-color:rgb(0, 204, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 99)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 44.0866, 0.2741, 0.5068 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, 99) }
```

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

```
.background{ background-color: rgb(0, 204,  
99) }
```

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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