

# Converting Colors

$Y_{xy}(43.4028, 0.2930, 0.5749)$

Have a look what the booklet for  
Yxy(43.4028, 0.2930, 0.5749)  
contains.

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**Color**

**Yxy(43.3991, 0.2929, 0.5746)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CC30
RGB	0, 204, 48
RGB Percent	0%, 80%, 19%
CMY	1.0000, 0.2000, 0.8117
CMYK	1.00, 0.00, 0.76, 0.20
HSL	134°, 100%, 40%
HSV	134°, 100%, 80%
XYZ	22.1225, 43.3991, 10.0076
YIQ	125.2200, -71.5080, -91.7640

# Conversions

## Conversions Part 2

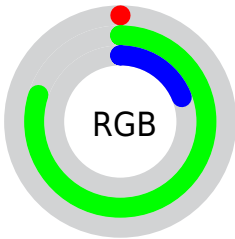
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 165, 204
Decimal	52272
CIELab	71.83, -70.99, 61.16
CIELCh	72, 93.707, 139.253
Yxy	43.3991, 0.2929, 0.5746
Android (android.graphics.Color)	4278242352 (0xFF00CC30)
YUV	125.2200, -38.0695, -109.8179
Hunter-Lab	65.8780, -55.3443, 37.1078

# Details

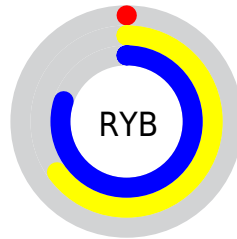
The Yxy color **43.3991, 0.2929, 0.5746** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **15.2389, 0.3917, 0.1931**, and the grayscale version is **20.7375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4830, 0.3033, 0.5202**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.4036, 0.2929, 0.5746**, and if you desaturate by 10%, it is **43.7088, 0.2904, 0.5565**.

# Distribution



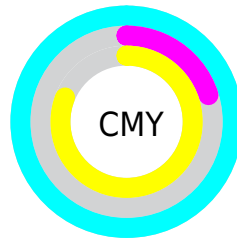
- Red (0%)
- Green (80%)
- Blue (19%)



- Red (0%)
- Yellow (65%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.3991, 0.2929, 0.5746 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 43.3991, 0.2929, 0.5746 by changing the saturation by 10% instead.





 43.3991, 0.2929,  
0.5746


 43.3991, 0.2929,  
0.5746

360.2505, 0.3130,  
0.4408

 30.1984, 0.2838,  
0.6093


 80.3128, 0.3031,  
0.5244

 19.9892, 0.2695,  
0.6533


 104.7945, 0.3061,  
0.5059


 12.3872, 0.2467,  
0.7095


 133.8054, 0.3082,  
0.4904

 7.0080, 0.2113,  
0.7887

 167.7298, 0.3097,  
0.4774

 3.4671, 0.1398,  
0.8602

 206.9521, 0.3109,  
0.4662

 1.3802, 0.0000,  
1.0000

 251.8567, 0.3118,


 0.2020, 0.0000,


0.4566


1.0000


302.8281, 0.3125,  
0.4482

 0.0000, 0.0000,  
0.0000


 43.3991, 0.2929,  
0.5746


 43.3991, 0.2929,  
0.5746


 43.4036, 0.2929,  
0.5746

 43.7088, 0.2904,  
0.5565

 44.2250, 0.2887,  
0.5337

 45.0114, 0.2884,  
0.5073

 46.1010, 0.2896,  
0.4788

 47.5218, 0.2919,  
0.4498

■ 49.2986, 0.2952,  
0.4215

■ 51.4540, 0.2992,  
0.3948

■ 54.0083, 0.3036,  
0.3704

■ 56.9807, 0.3082,  
0.3485

# Harmonies

## Analogous

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



43.3991, 0.4057, 0.5511



43.3991, 0.2929, 0.5746



43.3991, 0.1902, 0.4617

# Triad

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



43.3991, 0.2929, 0.5746



43.3991, 0.1299, 0.1574



43.3991, 0.5353, 0.3000

# Complementary

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



43.3991, 0.2929, 0.5746



15.2389, 0.3917, 0.1931

# 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.



43.3991, 0.4211, 0.2306



43.3991, 0.2929, 0.5746



43.3991, 0.1841, 0.1531

# Square

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



43.3991, 0.2929, 0.5746



43.3991, 0.1118, 0.1996



43.3991, 0.2840, 0.1784



43.3991, 0.5615, 0.3770

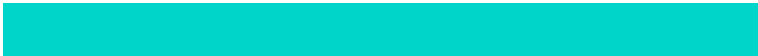


# Rectangle

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



43.3991, 0.2929, 0.5746



43.3991, 0.1435, 0.3500



43.3991, 0.2840, 0.1784



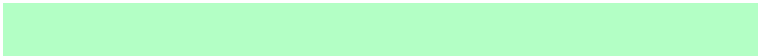
43.3991, 0.5050, 0.2758

# Sweetspot

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



43.4036, 0.2929, 0.5746



85.0527, 0.2991, 0.3958



50.2987, 0.3783, 0.5378



17.8639, 0.2973, 0.4070



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.



43.4036, 0.2929, 0.5746



71.8464, 0.2935, 0.5764



45.3795, 0.2496, 0.4184



12.5795, 0.3084, 0.3472



27.3282, 0.2923, 0.5724



1.4220, 0.2815, 0.5334



# Inverse Universe

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



15.2389, 0.3917, 0.1931



25.1997, 0.3927, 0.1937



13.1088, 0.5893, 0.3020



11.3568, 0.3173, 0.3114



9.6056, 0.3904, 0.1925

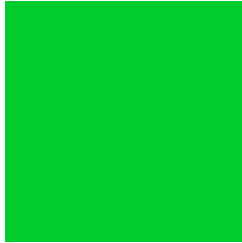


0.5068, 0.3741, 0.1835



# Previews

## White Background



This preview shows how the Yxy color 43.3991, 0.2929, 0.5746 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 43.3991, 0.2929, 0.5746 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 43.3991, 0.2929, 0.5746**

## Background



This preview shows how black text looks on a background with the Yxy color 43.3991, 0.2929, 0.5746.



This preview shows how white text looks on a background with the Yxy color 43.3991, 0.2929, 0.5746.

# 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

43.3991, 0.2929, 0.5746

### Protanopia

42.5558, 0.4309, 0.4764

### Deuteranopia

42.5480, 0.4491, 0.4396



## Tritanopia

43.1680, 0.2349, 0.3054

# Trichromacy



## Original Color

43.3991, 0.2929, 0.5746



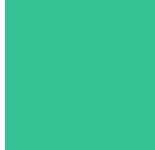
## Protanomaly

39.6596, 0.3540, 0.5304



## Deuteranomaly

38.4370, 0.3643, 0.5049



## Tritanomaly

41.9570, 0.2551, 0.4054

# Monochromacy



## Original Color

43.3991, 0.2929, 0.5746



## Achromatopsia

20.5079, 0.3127, 0.3290



## Achromatomaly

25.6797, 0.2931, 0.4422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.3991, 0.2929, 0.5746 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 48) }
```

## Border

The CSS property to change the border of an element to Yxy 43.3991, 0.2929, 0.5746 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, 48) }
```

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

```
.border{ border-color:rgb(0, 204, 48) }
```

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, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 48)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 43.3991, 0.2929, 0.5746 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, 48) }
```

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

```
.background{ background-color: rgb(0, 204,  
48) }
```

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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