

# Converting Colors

$Y_{xy}(43.6718, 0.2848, 0.5454)$

Have a look what the booklet for  
Yxy(43.6718, 0.2848, 0.5454)  
contains.

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# Color

**Yxy(43.6668, 0.2850, 0.5459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CC49
RGB	0, 204, 73
RGB Percent	0%, 80%, 29%
CMY	0.9990, 0.2000, 0.7138
CMYK	1.00, 0.00, 0.64, 0.20
HSL	141°, 100%, 40%
HSV	141°, 100%, 80%
XYZ	22.7973, 43.6668, 13.5264
YIQ	128.0700, -79.5330, -83.9890

# Conversions

## Conversions Part 2

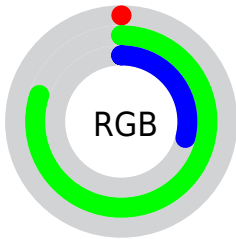
Format	Color
<a href="#">RYB</a>	<a href="#">0, 150, 204</a>
Decimal	<a href="#">52297</a>
CIELab	<a href="#">72.01, -68.67, 51.94</a>
CIELCh	<a href="#">72, 86.103, 142.899</a>
Yxy	<a href="#">43.6668, 0.2850, 0.5459</a>
Android (android.graphics.Color)	<a href="#">4278242377 (0xFF00CC49)</a>
YUV	<a href="#">128.0700, -27.1495, -112.3174</a>
Hunter-Lab	<a href="#">66.0809, -54.0607, 34.1203</a>

# Details

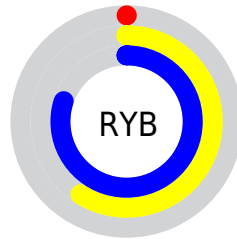
The Yxy color **43.6668, 0.2850, 0.5459** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.4896, 0.4374, 0.2184**, and the grayscale version is **21.7570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9099, 0.2948, 0.4960**, and **21.2064, 0.2981, 0.5933** is the 20% darker color. If you saturate the color by 10%, you get **43.6646, 0.2850, 0.5461**, and if you desaturate by 10%, it is **44.0154, 0.2818, 0.5260**.

# Distribution



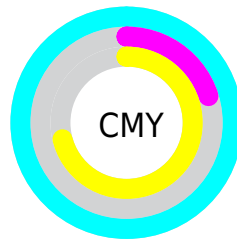
- Red (0%)
- Green (80%)
- Blue (29%)



- Red (0%)
- Yellow (59%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6668, 0.2850, 0.5459 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 43.6668, 0.2850, 0.5459 by changing the saturation by 10% instead.





 43.6668, 0.2850,  
0.5459


 43.6668, 0.2850,  
0.5459


361.3468, 0.3064,  
0.4270


 30.4086, 0.2767,  
0.5778


 80.7161, 0.2949,  
0.5007


 20.1490, 0.2642,  
0.6192


 105.2761, 0.2979,  
0.4843


 12.5034, 0.2445,  
0.6740

 134.3721, 0.3002,  
0.4706

 7.0875, 0.2155,  
0.7602

 168.3886, 0.3020,  
0.4591

 3.5169, 0.1538,  
0.8462

 207.7099, 0.3035,  
0.4493

 1.4072, 0.0000,  
1.0000

252.7204, 0.3046,

 0.2220, 0.0000,

0.4409

1.0000

303.8046, 0.3056,  
0.4335

■ 0.0000, 0.0000,  
0.0000

■ 43.6668, 0.2850,  
0.5459

■ 43.6668, 0.2850,  
0.5459

■ 43.6646, 0.2850,  
0.5461

■ 44.0154, 0.2818,  
0.5260

■ 44.5639, 0.2799,  
0.5036

■ 45.3704, 0.2799,  
0.4794

■ 46.4662, 0.2815,  
0.4544

■ 47.8781, 0.2847,  
0.4296

■ 49.6294, 0.2891,  
0.4059

■ 51.7414, 0.2944,  
0.3837

■ 54.2334, 0.3003,  
0.3634

■ 57.1236, 0.3065,  
0.3451

# Harmonies

## Analogous

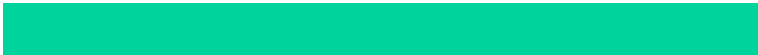
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.6668, 0.3917, 0.5439



43.6668, 0.2850, 0.5459



43.6668, 0.1907, 0.4315

# Triad

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



43.6668, 0.2850, 0.5459



43.6668, 0.1447, 0.1658



43.6668, 0.5258, 0.3130

# Complementary

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



43.6668, 0.2850, 0.5459



14.4896, 0.4374, 0.2184

# 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.



43.6668, 0.4282, 0.2449



43.6668, 0.2850, 0.5459



43.6668, 0.2019, 0.1648

# Square

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



43.6668, 0.2850, 0.5459



43.6668, 0.1235, 0.2021



43.6668, 0.3012, 0.1923



43.6668, 0.5424, 0.3883



# Rectangle

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



43.6668, 0.2850, 0.5459



43.6668, 0.1493, 0.3327



43.6668, 0.3012, 0.1923



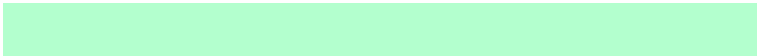
43.6668, 0.5009, 0.2893

# Sweetspot

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



43.6686, 0.2850, 0.5459



85.4910, 0.2942, 0.3848



48.1483, 0.3587, 0.5533



17.9657, 0.2918, 0.3941



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.



43.6686, 0.2850, 0.5459



72.2756, 0.2857, 0.5484



46.2220, 0.2381, 0.3772



12.6020, 0.3068, 0.3443



27.4990, 0.2843, 0.5435



1.4330, 0.2730, 0.5028



# Inverse Universe

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



14.4896, 0.4374, 0.2184



23.9398, 0.4395, 0.2195



12.9412, 0.6203, 0.3192



11.3331, 0.3191, 0.3142



9.1329, 0.4355, 0.2173

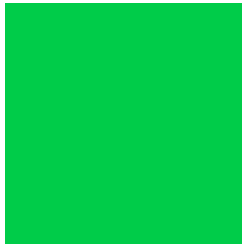


0.4853, 0.4075, 0.2019



# Previews

## White Background



This preview shows how the Yxy color 43.6668, 0.2850, 0.5459 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 43.6668, 0.2850, 0.5459 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 43.6668, 0.2850, 0.5459**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.6668, 0.2850, 0.5459.



This preview shows how white text looks on a background with the Yxy color 43.6668, 0.2850, 0.5459.

# 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

43.6668, 0.2850, 0.5459

### Protanopia

42.6437, 0.4188, 0.4604

### Deuteranopia

42.8922, 0.4324, 0.4237



## Tritanopia

43.5117, 0.2345, 0.3068

# Trichromacy



## Original Color

43.6668, 0.2850, 0.5459



## Protanomaly

39.8203, 0.3430, 0.5075



## Deuteranomaly

38.6399, 0.3506, 0.4789



## Tritanomaly

42.6785, 0.2504, 0.3910

# Monochromacy



## Original Color

43.6668, 0.2850, 0.5459



## Achromatopsia

21.5861, 0.3127, 0.3290



## Achromatomaly

26.6535, 0.2864, 0.4223

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6668, 0.2850, 0.5459 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 73) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6668, 0.2850, 0.5459 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, 73) }
```

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

```
.border{ border-color:rgb(0, 204, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 73)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 43.6668, 0.2850, 0.5459 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, 73) }
```

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

```
.background{ background-color: rgb(0, 204,  
73) }
```

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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