

# Converting Colors

Yxy(43.8056, 0.3020, 0.5984)

Have a look what the booklet for  
Yxy(43.8056, 0.3020, 0.5984)  
contains.

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# Color

**Yxy(43.8011, 0.3019, 0.5985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13CD00
RGB	19, 205, 0
RGB Percent	7%, 80%, 0%
CMY	0.9269, 0.1960, 1.0000
CMYK	0.91, 0.00, 1.00, 0.20
HSL	115°, 100%, 40%
HSV	115°, 100%, 80%
XYZ	22.0945, 43.8011, 7.2892
YIQ	126.0160, -45.0510, -103.1870

# Conversions

## Conversions Part 2

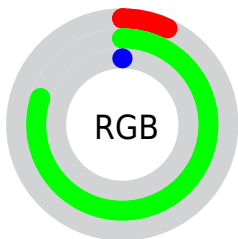
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 205, 186
Decimal	1297664
CIELab	72.10, -72.29, 70.68
CIELCh	72, 101.099, 135.644
Yxy	43.8011, 0.3019, 0.5985
Android (android.graphics.Color)	4279487744 (0xFF13CD00)
YUV	126.0160, -62.1259, -93.8530
Hunter-Lab	66.1824, -56.2283, 39.7976

# Details

The Yxy color **43.8011, 0.3019, 0.5985** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **14.8950, 0.2980, 0.1415**, and the grayscale version is **21.0597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3804, 0.3131, 0.5415**, and **21.4949, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.8029, 0.3019, 0.5985**, and if you desaturate by 10%, it is **44.1188, 0.3037, 0.5894**.

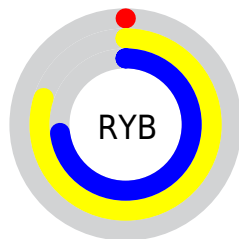
# Distribution



Red (7%)

Green (80%)

Blue (0%)



Red (0%)

Yellow (80%)

Blue (73%)

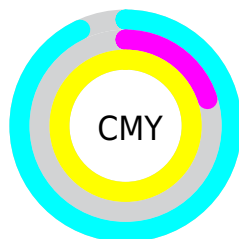


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (93%)

Magenta (20%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8011, 0.3019, 0.5985 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 43.8011, 0.3019, 0.5985 by changing the saturation by 10% instead.




 43.8011, 0.3019,  
0.5985


 43.8011, 0.3019,  
0.5985


361.8960, 0.3207,  
0.4539


 30.5142, 0.2918,  
0.6341


 80.9184, 0.3126,  
0.5454

 20.2292, 0.2758,  
0.6777

 105.5175, 0.3154,  
0.5254


 12.5618, 0.2529,  
0.7393


 134.6561, 0.3173,  
0.5086

 7.1275, 0.2080,  
0.7920

 168.7187, 0.3186,  
0.4943

 3.5419, 0.1366,  
0.8634

 208.0896, 0.3195,  
0.4820

 1.4208, 0.0000,  
1.0000

 253.1532, 0.3200,

 0.2320, 0.0000,

0.4714

1.0000

304.2938, 0.3204,  
0.4621

■ 0.0000, 0.0000,  
0.0000

■ 43.8011, 0.3019,  
0.5985

■ 43.8011, 0.3019,  
0.5985

■ 43.8029, 0.3019,  
0.5985

■ 44.1188, 0.3037,  
0.5894

■ 44.6664, 0.3059,  
0.5727


■ 45.4881, 0.3080,  
0.5483


■ 46.6142, 0.3098,  
0.5178

■ 48.0706, 0.3112,  
0.4839

 49.8807, 0.3122,  
0.4489

 52.0655, 0.3127,  
0.4149

 54.6447, 0.3130,  
0.3832

 57.6362, 0.3129,  
0.3545

# Harmonies

## Analogous

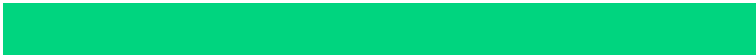
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.8011, 0.4198, 0.5523



43.8011, 0.3019, 0.5985



43.8011, 0.1921, 0.4945

# Triad

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



43.8011, 0.3019, 0.5985



43.8011, 0.1170, 0.1511



43.8011, 0.5407, 0.2868

# Complementary

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



43.8011, 0.3019, 0.5985



14.8950, 0.2980, 0.1415

# 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.



43.8011, 0.4101, 0.2167



43.8011, 0.3019, 0.5985



43.8011, 0.1676, 0.1432

# Square

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



43.8011, 0.3019, 0.5985



43.8011, 0.1022, 0.1995



43.8011, 0.2659, 0.1659



43.8011, 0.5783, 0.3646

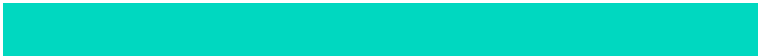


# Rectangle

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



43.8011, 0.3019, 0.5985



43.8011, 0.1401, 0.3711



43.8011, 0.2659, 0.1659



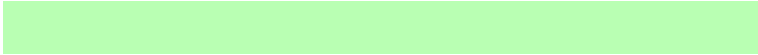
43.8011, 0.5046, 0.2623

# Sweetspot

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



43.8029, 0.3019, 0.5985



85.1252, 0.3127, 0.4162



47.4742, 0.4382, 0.4903



17.8790, 0.3125, 0.4305



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.



43.8029, 0.3019, 0.5985



71.7042, 0.3016, 0.5987



44.2774, 0.2816, 0.5339



12.5849, 0.3129, 0.5529



27.2837, 0.3023, 0.5982



1.4247, 0.3096, 0.5924



# Inverse Universe

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



14.8950, 0.2980, 0.1415



24.3464, 0.2977, 0.1414



14.4110, 0.4552, 0.2281



11.3499, 0.3124, 0.3061



9.2933, 0.2983, 0.1417

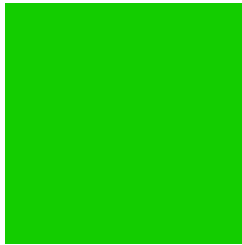


0.4949, 0.3030, 0.1443



# Previews

## White Background



This preview shows how the Yxy color 43.8011, 0.3019, 0.5985 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 43.8011, 0.3019, 0.5985 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

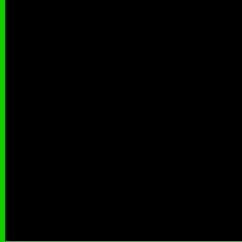
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.8011, 0.3019, 0.5985**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.8011, 0.3019, 0.5985.



This preview shows how white text looks on a background with the Yxy color 43.8011, 0.3019, 0.5985.

# 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

43.8011, 0.3019, 0.5985

### Protanopia

43.0564, 0.4404, 0.4885

### Deuteranopia

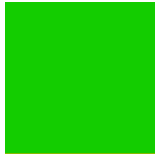
42.6699, 0.4610, 0.4511



## Tritanopia

43.7441, 0.2365, 0.3070

# Trichromacy



## Original Color

43.8011, 0.3019, 0.5985



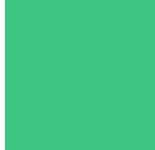
## Protanomaly

40.5272, 0.3691, 0.5451



## Deuteranomaly

38.9294, 0.3829, 0.5218



## Tritanomaly

42.1427, 0.2684, 0.4380

# Monochromacy



## Original Color

43.8011, 0.3019, 0.5985



## Achromatopsia

20.8637, 0.3127, 0.3290



## Achromatomaly

26.0481, 0.3117, 0.4748

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8011, 0.3019, 0.5985 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(19, 205, 0)` looks like.

```
.text, #text, p{  
    color:rgb(19, 205, 0)  
}
```

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(19, 205, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 205, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8011, 0.3019, 0.5985 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(19, 205, 0) }
```

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

```
.border{ border-color:rgb(19, 205, 0) }
```

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

Here you see how a box with a 4 pixel rgb(19, 205, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 205, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 205, 0);  
box-shadow:4px 4px 4px 4px rgb(19, 205, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 43.8011, 0.3019, 0.5985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 205, 0) }
```

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

```
.background{ background-color: rgb(19, 205,  
0) }
```

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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