

# Converting Colors

$Y_{xy}(43.2787, 0.2968, 0.5886)$

Have a look what the booklet for  
Yxy(43.2787, 0.2968, 0.5886)  
contains.

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# Color

**Yxy(43.2795, 0.2968, 0.5885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CC1E
RGB	0, 204, 30
RGB Percent	0%, 80%, 12%
CMY	1.0000, 0.2000, 0.8821
CMYK	1.00, 0.00, 0.85, 0.20
HSL	129°, 100%, 40%
HSV	129°, 100%, 80%
XYZ	21.8273, 43.2795, 8.4353
YIQ	123.1680, -65.7300, -97.3620

# Conversions

## Conversions Part 2

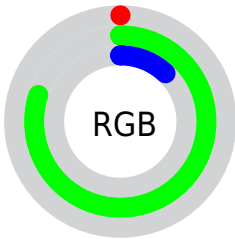
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 178, 204
Decimal	52254
CIELab	71.74, -72.02, 66.02
CIELCh	72, 97.703, 137.487
Yxy	43.2795, 0.2968, 0.5885
Android (android.graphics.Color)	4278242334 (0xFF00CC1E)
YUV	123.1680, -45.9318, -108.0183
Hunter-Lab	65.7872, -55.9037, 38.4488

# Details

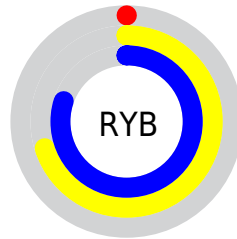
The Yxy color **43.2795, 0.2968, 0.5885** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **15.8916, 0.3623, 0.1770**, and the grayscale version is **20.0399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3136, 0.3079, 0.5324**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.2816, 0.2968, 0.5885**, and if you desaturate by 10%, it is **43.5495, 0.2952, 0.5736**.

# Distribution



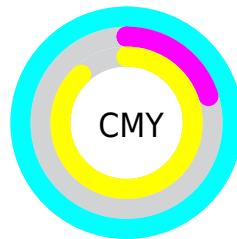
- Red (0%)
- Green (80%)
- Blue (12%)



- Red (0%)
- Yellow (70%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2795, 0.2968, 0.5885 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 43.2795, 0.2968, 0.5885 by changing the saturation by 10% instead.





 43.2795, 0.2968,  
0.5885

 43.2795, 0.2968,  
0.5885


359.7599, 0.3166,  
0.4479

 30.1045, 0.2871,  
0.6241


 80.1325, 0.3074,  
0.5362

 19.9179, 0.2717,  
0.6685


 104.5792, 0.3103,  
0.5168


 12.3354, 0.2481,  
0.7274


 133.5520, 0.3124,  
0.5005

 6.9725, 0.2070,  
0.7930

 167.4351, 0.3139,  
0.4867

 3.4449, 0.1333,  
0.8667

 206.6131, 0.3149,  
0.4749

 1.3682, 0.0000,  
1.0000

 251.4703, 0.3157,

 0.1931, 0.0000,

0.4647

1.0000

302.3911, 0.3162,  
0.4557

■ 0.0000, 0.0000,  
0.0000

■ 43.2795, 0.2968,  
0.5885

■ 43.2795, 0.2968,  
0.5885

■ 43.2816, 0.2968,  
0.5885

■ 43.5495, 0.2952,  
0.5736

■ 44.0348, 0.2941,  
0.5523

■ 44.7990, 0.2941,  
0.5257

■ 45.8767, 0.2951,  
0.4955

■ 47.2976, 0.2970,  
0.4639

■ 49.0878, 0.2997,  
0.4325

■ 51.2708, 0.3027,  
0.4027

■ 53.8682, 0.3060,  
0.3753

■ 56.9002, 0.3094,  
0.3507

# Harmonies

## Analogous

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



43.2795, 0.4126, 0.5532



43.2795, 0.2968, 0.5885



43.2795, 0.1902, 0.4784

# Triad

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



43.2795, 0.2968, 0.5885



43.2795, 0.1227, 0.1534



43.2795, 0.5396, 0.2932

# Complementary

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



43.2795, 0.2968, 0.5885



15.8916, 0.3623, 0.1770

# 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.



43.2795, 0.4166, 0.2233



43.2795, 0.2968, 0.5885



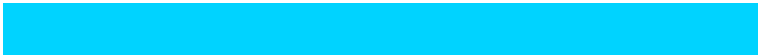
43.2795, 0.1753, 0.1474

# Square

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



43.2795, 0.2968, 0.5885



43.2795, 0.1061, 0.1986



43.2795, 0.2750, 0.1715



43.2795, 0.5711, 0.3708

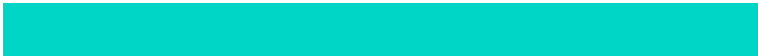


# Rectangle

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



43.2795, 0.2968, 0.5885



43.2795, 0.1408, 0.3599



43.2795, 0.2750, 0.1715



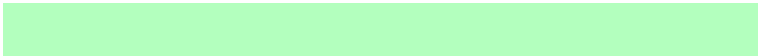
43.2795, 0.5064, 0.2688

# Sweetspot

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



43.2816, 0.2968, 0.5885



84.7521, 0.3026, 0.4039



52.5116, 0.3959, 0.5239



17.7948, 0.3013, 0.4164



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.



43.2816, 0.2968, 0.5885



71.6572, 0.2972, 0.5898



44.7779, 0.2596, 0.4547



12.5635, 0.3096, 0.3494



27.2494, 0.2964, 0.5869



1.4146, 0.2879, 0.5563



# Inverse Universe

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



15.8916, 0.3623, 0.1770



26.2917, 0.3630, 0.1773



13.3432, 0.5529, 0.2819



11.3742, 0.3160, 0.3095



10.0127, 0.3617, 0.1766

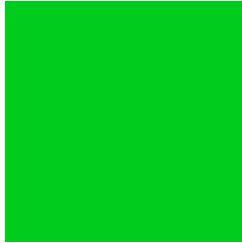


0.5245, 0.3525, 0.1716



# Previews

## White Background



This preview shows how the Yxy color 43.2795, 0.2968, 0.5885 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 43.2795, 0.2968, 0.5885 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

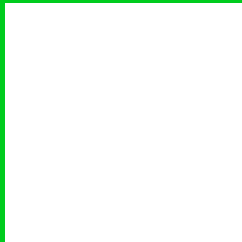
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.2795, 0.2968, 0.5885**

## Background



This preview shows how black text looks on a background with the Yxy color 43.2795, 0.2968, 0.5885.



This preview shows how white text looks on a background with the Yxy color 43.2795, 0.2968, 0.5885.

# 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

43.2795, 0.2968, 0.5885

### Protanopia

42.5844, 0.4375, 0.4840

### Deuteranopia

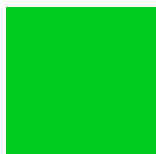
42.2183, 0.4575, 0.4462



## Tritanopia

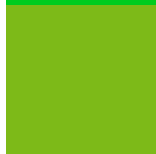
43.1660, 0.2358, 0.3068

# Trichromacy



## Original Color

43.2795, 0.2968, 0.5885



## Protanomaly

39.5437, 0.3594, 0.5429



## Deuteranomaly

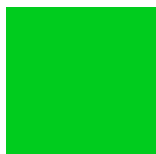
37.9110, 0.3709, 0.5165



## Tritanomaly

41.7376, 0.2598, 0.4196

# Monochromacy



## Original Color

43.2795, 0.2968, 0.5885



## Achromatopsia

19.8069, 0.3127, 0.3290



## Achromatomaly

24.7974, 0.2975, 0.4562

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2795, 0.2968, 0.5885 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 30) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2795, 0.2968, 0.5885 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, 30) }
```

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

```
.border{ border-color:rgb(0, 204, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 30);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 30)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 43.2795, 0.2968, 0.5885 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, 30) }
```

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

```
.background{ background-color: rgb(0, 204,  
30) }
```

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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