

# Converting Colors

$Y_{xy}(43.2320, 0.2996, 0.5986)$

Have a look what the booklet for  
Yxy(43.2320, 0.2996, 0.5986)  
contains.

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# Color

**Yxy(43.1967, 0.2996, 0.5986)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CC05
RGB	0, 204, 5
RGB Percent	0%, 80%, 2%
CMY	1.0000, 0.2000, 0.9797
CMYK	1.00, 0.00, 0.97, 0.20
HSL	122°, 100%, 40%
HSV	122°, 100%, 80%
XYZ	21.6200, 43.1967, 7.3462
YIQ	120.3180, -57.7050, -105.1370

# Conversions

## Conversions Part 2

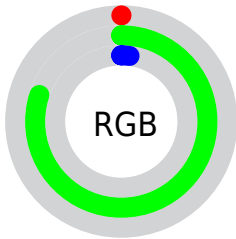
Format	Color
<a href="#">RYB</a>	<a href="#">0, 199, 204</a>
Decimal	<a href="#">52229</a>
CIELab	<a href="#">71.69, -72.75, 69.77</a>
CIELCh	<a href="#">72, 100.796, 136.199</a>
Yxy	<a href="#">43.1967, 0.2996, 0.5986</a>
Android (android.graphics.Color)	<a href="#">4278242309 (0xFF00CC05)</a>
YUV	<a href="#">120.3180, -56.8518, -105.5189</a>
Hunter-Lab	<a href="#">65.7242, -56.2997, 39.3799</a>

# Details

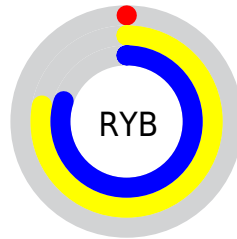
The Yxy color **43.1967, 0.2996, 0.5986** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **16.9537, 0.3274, 0.1577**, and the grayscale version is **19.0969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1478, 0.3111, 0.5418**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.1991, 0.2996, 0.5986**, and if you desaturate by 10%, it is **43.4112, 0.2998, 0.5897**.

# Distribution



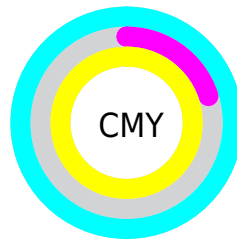
- Red (0%)
- Green (80%)
- Blue (2%)



- Red (0%)
- Yellow (78%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1967, 0.2996, 0.5986 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 43.1967, 0.2996, 0.5986 by changing the saturation by 10% instead.



 43.1967, 0.2996,  
0.5986


 43.1967, 0.2996,  
0.5986

359.4201, 0.3194,  
0.4533


 30.0395, 0.2893,  
0.6347


 80.0076, 0.3106,  
0.5450


 19.8686, 0.2730,  
0.6789


 104.4301, 0.3136,  
0.5249

 12.2995, 0.2495,  
0.7416


 133.3764, 0.3156,  
0.5081

 6.9480, 0.2040,  
0.7960

 167.2310, 0.3170,  
0.4937

 3.4296, 0.1286,  
0.8714

 206.3783, 0.3180,  
0.4814

 1.3599, 0.0000,  
1.0000

 251.2026, 0.3186,

 0.1869, 0.0000,

0.4708

1.0000

302.0884, 0.3191,  
0.4615

■ 0.0000, 0.0000,  
0.0000

■ 43.1967, 0.2996,  
0.5986

■ 43.1967, 0.2996,  
0.5986

■ 43.1991, 0.2996,  
0.5986

■ 43.4112, 0.2998,  
0.5897

■ 43.8441, 0.3001,  
0.5728

■ 44.5659, 0.3010,  
0.5480

■ 45.6150, 0.3023,  
0.5171

■ 47.0242, 0.3039,  
0.4828

■ 48.8220, 0.3058,  
0.4477

■ 51.0344, 0.3076,  
0.4137

■ 53.6848, 0.3094,  
0.3822

■ 56.7951, 0.3112,  
0.3539

# Harmonies

## Analogous

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



43.1967, 0.4177, 0.5542



43.1967, 0.2996, 0.5986



43.1967, 0.1901, 0.4916

# Triad

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



43.1967, 0.2996, 0.5986



43.1967, 0.1174, 0.1504



43.1967, 0.5427, 0.2881

# Complementary

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



43.1967, 0.2996, 0.5986



16.9537, 0.3274, 0.1577

# 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.



43.1967, 0.4130, 0.2178



43.1967, 0.2996, 0.5986



43.1967, 0.1688, 0.1432

# Square

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



43.1967, 0.2996, 0.5986



43.1967, 0.1020, 0.1979



43.1967, 0.2681, 0.1664



43.1967, 0.5783, 0.3660

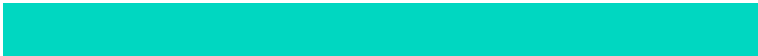


# Rectangle

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



43.1967, 0.2996, 0.5986



43.1967, 0.1388, 0.3678



43.1967, 0.2681, 0.1664



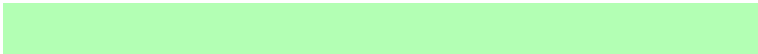
43.1967, 0.5072, 0.2635

# Sweetspot

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



43.1991, 0.2996, 0.5986



84.3575, 0.3075, 0.4150



55.5505, 0.4164, 0.5076



17.7051, 0.3068, 0.4293



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.



43.1991, 0.2996, 0.5986



71.5342, 0.2997, 0.5989



44.2160, 0.2712, 0.4962



12.5415, 0.3113, 0.3523



27.1908, 0.2995, 0.5982



1.4044, 0.2978, 0.5919



# Inverse Universe

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



16.9537, 0.3274, 0.1577



28.0705, 0.3275, 0.1578



13.7312, 0.5045, 0.2553



11.3987, 0.3142, 0.3067



10.6725, 0.3273, 0.1577

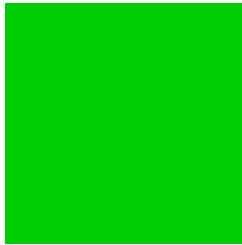


0.5522, 0.3260, 0.1569



# Previews

## White Background



This preview shows how the Yxy color 43.1967, 0.2996, 0.5986 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 43.1967, 0.2996, 0.5986 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

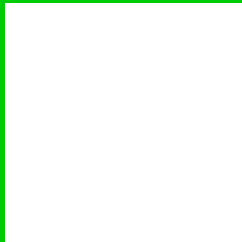
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.1967, 0.2996, 0.5986**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.1967, 0.2996, 0.5986.



This preview shows how white text looks on a background with the Yxy color 43.1967, 0.2996, 0.5986.

# 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

43.1967, 0.2996, 0.5986

### Protanopia

42.5303, 0.4405, 0.4884

### Deuteranopia

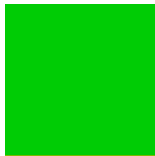
42.1522, 0.4611, 0.4507



## Tritanopia

43.2131, 0.2362, 0.3068

# Trichromacy



## Original Color

43.1967, 0.2996, 0.5986



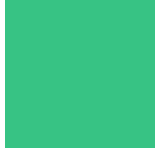
## Protanomaly

39.4822, 0.3624, 0.5498



## Deuteranomaly

37.8229, 0.3754, 0.5258



## Tritanomaly

41.5084, 0.2651, 0.4357

# Monochromacy



## Original Color

43.1967, 0.2996, 0.5986



## Achromatopsia

18.7821, 0.3127, 0.3290



## Achromatomaly

24.2198, 0.3041, 0.4776

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1967, 0.2996, 0.5986 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 5) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1967, 0.2996, 0.5986 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, 5) }
```

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

```
.border{ border-color:rgb(0, 204, 5) }
```

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, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 204, 5); box-shadow:4px  
4px 4px 4px rgb(0, 204, 5) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1967, 0.2996, 0.5986 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, 5) }
```

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

```
.background{ background-color: rgb(0, 204,  
5) }
```

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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