

# Converting Colors

$Y_{xy}(44.4197, 0.2996, 0.5986)$

Have a look what the booklet for  
Yxy(44.4197, 0.2996, 0.5986)  
contains.

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**Color**

**Yxy(44.6366, 0.2996, 0.5987)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CF05
RGB	0, 207, 5
RGB Percent	0%, 81%, 2%
CMY	1.0000, 0.1882, 0.9803
CMYK	1.00, 0.00, 0.98, 0.19
HSL	121°, 100%, 41%
HSV	121°, 100%, 81%
XYZ	22.3369, 44.6366, 7.5823
YIQ	122.0790, -58.5300, -106.7060

# Conversions

## Conversions Part 2

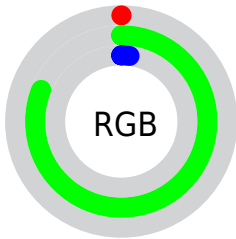
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 202, 207
Decimal	52997
CIELab	72.65, -73.57, 70.57
CIELCh	73, 101.938, 136.193
Yxy	44.6366, 0.2996, 0.5987
Android (android.graphics.Color)	4278243077 (0xFF00CF05)
YUV	122.0790, -57.7199, -107.0633
Hunter-Lab	66.8106, -57.2403, 40.0386

# Details

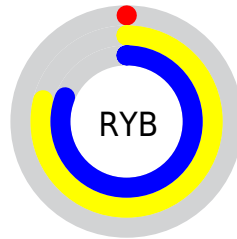
The Yxy color **44.6366, 0.2996, 0.5987** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **17.5296, 0.3271, 0.1576**, and the grayscale version is **19.6991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2087, 0.3115, 0.5415**, and **22.1332, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.6408, 0.2996, 0.5987**, and if you desaturate by 10%, it is **44.8571, 0.2998, 0.5899**.

# Distribution



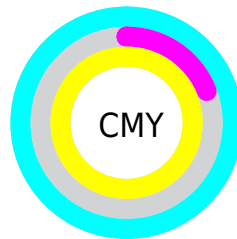
- Red (0%)
- Green (81%)
- Blue (2%)



- Red (0%)
- Yellow (79%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (98%)
- Black (19%)



- Cyan (100%)
- Magenta (19%)
- Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6366, 0.2996, 0.5987 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 44.6366, 0.2996, 0.5987 by changing the saturation by 10% instead.




 44.6366, 0.2996,  
0.5987


 44.6366, 0.2996,  
0.5987

365.2998, 0.3194,  
0.4541


 31.1713, 0.2894,  
0.6344

 82.1748, 0.3106,  
0.5456


 20.7293, 0.2734,  
0.6780


 107.0165, 0.3135,  
0.5256


 12.9263, 0.2500,  
0.7381


 136.4191, 0.3155,  
0.5088

 7.3778, 0.2064,  
0.7936

 170.7671, 0.3169,  
0.4945

 3.6995, 0.1371,  
0.8629

 210.4447, 0.3179,  
0.4823

 1.5069, 0.0000,  
1.0000

 255.8364, 0.3186,

 0.2936, 0.0000,

0.4716

1.0000

307.3267, 0.3191,  
0.4623

■ 0.0000, 0.0000,  
0.0000

■ 44.6366, 0.2996,  
0.5987

■ 44.6366, 0.2996,  
0.5987

■ 44.6408, 0.2996,  
0.5987

■ 44.8571, 0.2998,  
0.5899

■ 45.3022, 0.3002,  
0.5731

■ 46.0461, 0.3010,  
0.5483

■ 47.1289, 0.3023,  
0.5175

■ 48.5843, 0.3040,  
0.4831

■ 50.4421, 0.3058,  
0.4479

■ 52.7292, 0.3077,  
0.4139

■ 55.4700, 0.3095,  
0.3823

■ 58.6872, 0.3112,  
0.3540

# Harmonies

## Analogous

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



44.6366, 0.4177, 0.5542



44.6366, 0.2996, 0.5987



44.6366, 0.1901, 0.4917

# Triad

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



44.6366, 0.2996, 0.5987



44.6366, 0.1173, 0.1504



44.6366, 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.



44.6366, 0.2996, 0.5987



17.5296, 0.3271, 0.1576

# 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.



44.6366, 0.4130, 0.2177



44.6366, 0.2996, 0.5987



44.6366, 0.1687, 0.1432

# Square

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



44.6366, 0.2996, 0.5987



44.6366, 0.1019, 0.1979



44.6366, 0.2681, 0.1663



44.6366, 0.5784, 0.3660

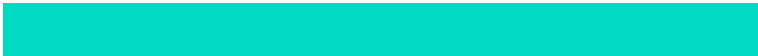


# Rectangle

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



44.6366, 0.2996, 0.5987



44.6366, 0.1387, 0.3679



44.6366, 0.2681, 0.1663



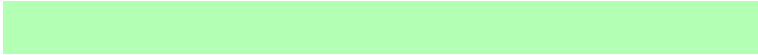
44.6366, 0.5072, 0.2635

# Sweetspot

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



44.6408, 0.2996, 0.5987



84.3542, 0.3076, 0.4151



57.4048, 0.4164, 0.5076



17.7043, 0.3068, 0.4294



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.



44.6408, 0.2996, 0.5987



71.5336, 0.2997, 0.5990



45.6903, 0.2712, 0.4963



13.2109, 0.3113, 0.3524



28.1251, 0.2995, 0.5983



1.5743, 0.2980, 0.5926



# Inverse Universe

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



17.5296, 0.3271, 0.1576



28.0869, 0.3272, 0.1576



14.1878, 0.5047, 0.2554



12.0039, 0.3142, 0.3066



11.0456, 0.3270, 0.1575

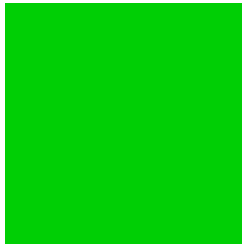


0.6192, 0.3258, 0.1569



# Previews

## White Background



This preview shows how the Yxy color 44.6366, 0.2996, 0.5987 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 44.6366, 0.2996, 0.5987 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

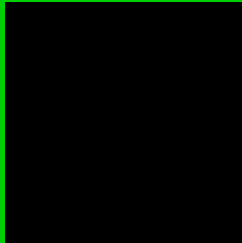
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

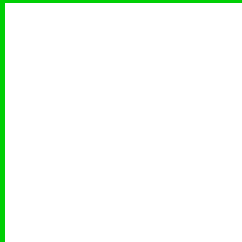
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.6366, 0.2996, 0.5987**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.6366, 0.2996, 0.5987.



This preview shows how white text looks on a background with the Yxy color 44.6366, 0.2996, 0.5987.

# 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

44.6366, 0.2996, 0.5987

### Protanopia

43.5864, 0.4403, 0.4886

### Deuteranopia

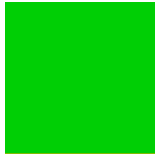
43.7243, 0.4603, 0.4512



## Tritanopia

44.2796, 0.2358, 0.3057

# Trichromacy



## Original Color

44.6366, 0.2996, 0.5987



## Protanomaly

40.4828, 0.3630, 0.5494



## Deuteranomaly

39.2124, 0.3752, 0.5265



## Tritanomaly

42.4660, 0.2645, 0.4347

# Monochromacy



## Original Color

44.6366, 0.2996, 0.5987



## Achromatopsia

19.4618, 0.3127, 0.3290



## Achromatomaly

24.9667, 0.3049, 0.4775

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6366, 0.2996, 0.5987 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, 207, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 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, 207, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 5) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6366, 0.2996, 0.5987 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, 207, 5) }
```

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

```
.border{ border-color:rgb(0, 207, 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, 207, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 207, 5); box-shadow:4px  
4px 4px 4px rgb(0, 207, 5) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6366, 0.2996, 0.5987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 5) }
```

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

```
.background{ background-color: rgb(0, 207,  
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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