

# Converting Colors

$Y_{xy}(52.2696, 0.2970, 0.5892)$

Have a look what the booklet for  
Yxy(52.2696, 0.2970, 0.5892)  
contains.

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# Color

**Yxy(52.3468, 0.2971, 0.5894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DE20
RGB	0, 222, 32
RGB Percent	0%, 87%, 13%
CMY	0.9981, 0.1294, 0.8744
CMYK	1.00, 0.00, 0.86, 0.13
HSL	129°, 100%, 44%
HSV	129°, 100%, 87%
XYZ	26.3866, 52.3468, 10.0804
YIQ	133.9620, -71.3220, -106.1540

# Conversions

## Conversions Part 2

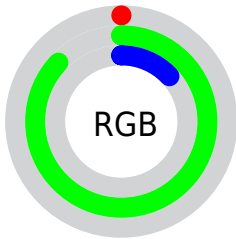
Format	Color
<b>RYB</b>	0, 194, 222
Decimal	56864
CIELab	77.49, -76.79, 70.71
CIELCh	77, 104.386, 137.360
Yxy	52.3468, 0.2971, 0.5894
Android (android.graphics.Color)	4278246944 (0xFF00DE20)
YUV	133.9620, -50.2673, -117.4847
Hunter-Lab	72.3511, -61.5152, 42.3851

# Details

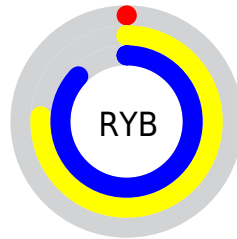
The Yxy color **52.3468, 0.2971, 0.5894** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **19.2777, 0.3609, 0.1763**, and the grayscale version is **24.0903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6981, 0.3088, 0.5270**, and **26.9103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **52.3436, 0.2971, 0.5896**, and if you desaturate by 10%, it is **52.6594, 0.2955, 0.5749**.

# Distribution



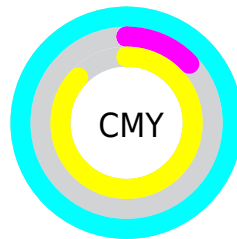
- Red (0%)
- Green (87%)
- Blue (13%)



- Red (0%)
- Yellow (76%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (86%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3468, 0.2971, 0.5894 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 52.3468, 0.2971, 0.5894 by changing the saturation by 10% instead.





 52.3468, 0.2971,  
0.5894


 52.3468, 0.2971,  
0.5894


395.7740, 0.3167,  
0.4526


 37.2816, 0.2881,  
0.6227


 93.6425, 0.3073,  
0.5397


 25.4256, 0.2742,  
0.6635


 120.6418, 0.3102,  
0.5208

 16.3944, 0.2525,  
0.7135


 152.3878, 0.3123,  
0.5049

 9.8037, 0.2199,  
0.7801

 189.2651, 0.3138,  
0.4913

 5.2690, 0.1636,  
0.8364

 231.6579, 0.3149,  
0.4796

 2.4059, 0.0000,  
1.0000

 279.9508, 0.3156,

 0.8289, 0.0000,

0.4694

1.0000

334.5280, 0.3162,  
0.4605

■ 0.0000, 0.0000,  
0.0000

■ 52.3468, 0.2971,  
0.5894

■ 52.3468, 0.2971,  
0.5894

■ 52.3436, 0.2971,  
0.5896

■ 52.6594, 0.2955,  
0.5749

■ 53.2402, 0.2944,  
0.5538

■ 54.1613, 0.2944,  
0.5271

■ 55.4658, 0.2954,  
0.4968

■ 57.1904, 0.2973,  
0.4648

■ 59.3671, 0.2999,  
0.4331

■ 62.0251, 0.3030,  
0.4030

■ 65.1909, 0.3062,  
0.3753

■ 68.8894, 0.3095,  
0.3505

# Harmonies

## Analogous

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



52.3468, 0.4131, 0.5533



52.3468, 0.2971, 0.5894



52.3468, 0.1902, 0.4796

# Triad

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



52.3468, 0.2971, 0.5894



52.3468, 0.1222, 0.1531



52.3468, 0.5399, 0.2928

# Complementary

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



52.3468, 0.2971, 0.5894



19.2777, 0.3609, 0.1763

# 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.



52.3468, 0.4163, 0.2228



52.3468, 0.2971, 0.5894



52.3468, 0.1747, 0.1470

# Square

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



52.3468, 0.2971, 0.5894



52.3468, 0.1058, 0.1985



52.3468, 0.2744, 0.1710



52.3468, 0.5717, 0.3704



# Rectangle

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



52.3468, 0.2971, 0.5894



52.3468, 0.1406, 0.3606



52.3468, 0.2744, 0.1710



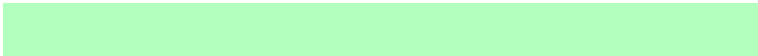
52.3468, 0.5064, 0.2683

# Sweetspot

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



52.3490, 0.2971, 0.5894



84.7354, 0.3028, 0.4043



63.5095, 0.3958, 0.5239



17.7910, 0.3015, 0.4169



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.



52.3490, 0.2971, 0.5894



71.6492, 0.2973, 0.5904



54.1610, 0.2598, 0.4551



15.3689, 0.3096, 0.3497



31.1015, 0.2967, 0.5880



2.1660, 0.2902, 0.5645



# Inverse Universe

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



19.2777, 0.3609, 0.1763



26.3585, 0.3614, 0.1764



16.1445, 0.5536, 0.2825



13.9003, 0.3159, 0.3091



11.4554, 0.3603, 0.1759

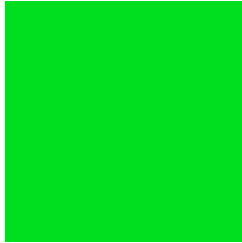


0.8034, 0.3533, 0.1720



# Previews

## White Background



This preview shows how the Yxy color 52.3468, 0.2971, 0.5894 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

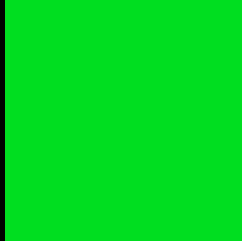
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.3468, 0.2971, 0.5894 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 52.3468, 0.2971, 0.5894**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.3468, 0.2971, 0.5894.



This preview shows how white text looks on a background with the Yxy color 52.3468, 0.2971, 0.5894.

# 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

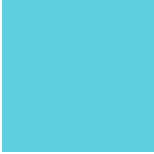
52.3468, 0.2971, 0.5894

### Protanopia

51.1810, 0.4381, 0.4844

### Deuteranopia

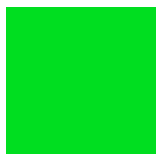
51.1151, 0.4573, 0.4468



## **Tritanopia**

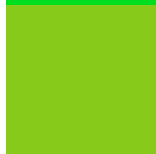
52.2805, 0.2359, 0.3071

# Trichromacy



## Original Color

52.3468, 0.2971, 0.5894



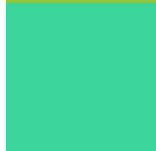
## Protanomaly

47.5499, 0.3595, 0.5434



## Deuteranomaly

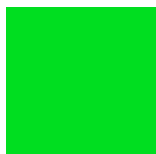
45.9190, 0.3714, 0.5169



## Tritanomaly

50.3499, 0.2595, 0.4190

# Monochromacy



## Original Color

52.3468, 0.2971, 0.5894



## Achromatopsia

23.8398, 0.3127, 0.3290



## Achromatomaly

30.0668, 0.2975, 0.4577

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  52.3468, 0.2971, 0.5894 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, 222, 32)` looks like.

```
.text, #text, p{  
  color:rgb(0, 222, 32)  
}
```

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, 222, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 32) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3468, 0.2971, 0.5894 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, 222, 32) }
```

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

```
.border{ border-color:rgb(0, 222, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 32);  
box-shadow:4px 4px 4px 4px rgb(0, 222, 32)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 52.3468, 0.2971, 0.5894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 32) }
```

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

```
.background{ background-color: rgb(0, 222,  
32) }
```

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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