

# Converting Colors

$Y_{xy}(71.5917, 0.2985, 0.5946)$

Have a look what the booklet for  
Yxy(71.5917, 0.2985, 0.5946)  
contains.

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# Color

**Yxy(71.5902, 0.2985, 0.5948)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF19
RGB	0, 255, 25
RGB Percent	0%, 100%, 10%
CMY	1.0000, 0.0000, 0.9020
CMYK	1.00, 0.00, 0.90, 0.00
HSL	126°, 100%, 50%
HSV	126°, 100%, 100%
XYZ	35.9275, 71.5902, 12.8424
YIQ	152.5350, -78.1500, -125.5900

# Conversions

## Conversions Part 2

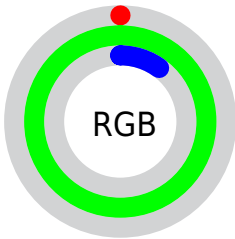
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 232, 255
Decimal	65305
CIELab	87.77, -85.77, 80.83
CIELCh	88, 117.856, 136.697
Yxy	71.5902, 0.2985, 0.5948
Android (android.graphics.Color)	4278255385 (0xFF00FF19)
YUV	152.5350, -62.8748, -133.7732
Hunter-Lab	84.6110, -72.2746, 50.2285

# Details

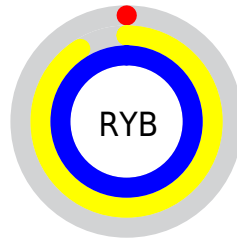
The Yxy color **71.5902, 0.2985, 0.5948** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **26.9740, 0.3478, 0.1690**, and the grayscale version is **31.9455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4139, 0.3127, 0.5223**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.5901, 0.2985, 0.5948**, and if you desaturate by 10%, it is **71.9464, 0.2975, 0.5830**.

# Distribution



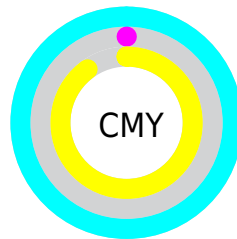
- Red (0%)
- Green (100%)
- Blue (10%)



- Red (0%)
- Yellow (91%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5902, 0.2985, 0.5948 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 71.5902, 0.2985, 0.5948 by changing the saturation by 10% instead.



 71.5902, 0.2985,  
0.5948

 71.5902, 0.2985,  
0.5948

466.1140, 0.3178,  
0.4627


 52.8240, 0.2903,  
0.6247


 121.4737, 0.3082,  
0.5486

 37.6623, 0.2782,  
0.6604


 153.3598, 0.3111,  
0.5306


 25.7207, 0.2601,  
0.7028


 190.3880, 0.3132,  
0.5152

 16.6148, 0.2352,  
0.7599

 232.9427, 0.3147,  
0.5018

 9.9602, 0.1920,  
0.8080

 281.4082, 0.3158,  
0.4901

 5.3726, 0.1336,  
0.8664


 336.1690, 0.3167,

 2.4675, 0.0000,

0.4799


1.0000


397.6095, 0.3173,  
0.4708


 0.8603, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 71.5902, 0.2985,  
0.5948


 71.5902, 0.2985,  
0.5948


 71.5901, 0.2985,  
0.5948

 71.9464, 0.2975,  
0.5830


 72.6786, 0.2968,  
0.5638


 73.8850, 0.2970,  
0.5378

 75.6289, 0.2980,  
0.5070

 77.9637, 0.2997,  
0.4738

 80.9364, 0.3020,  
0.4404

 84.5892, 0.3046,  
0.4084

 88.9607, 0.3073,  
0.3788

 94.0865, 0.3101,  
0.3524

# Harmonies

## Analogous

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



71.5902, 0.4157, 0.5539



71.5902, 0.2985, 0.5948



71.5902, 0.1901, 0.4864

# Triad

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



71.5902, 0.2985, 0.5948



71.5902, 0.1194, 0.1515



71.5902, 0.5416, 0.2901

# Complementary

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



71.5902, 0.2985, 0.5948



26.9740, 0.3478, 0.1690

# 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.



71.5902, 0.4145, 0.2199



71.5902, 0.2985, 0.5948



71.5902, 0.1713, 0.1448

# Square

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



71.5902, 0.2985, 0.5948



71.5902, 0.1035, 0.1981



71.5902, 0.2708, 0.1683



71.5902, 0.5756, 0.3679



# Rectangle

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



71.5902, 0.2985, 0.5948



71.5902, 0.1395, 0.3647



71.5902, 0.2708, 0.1683



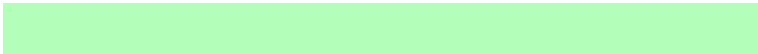
71.5902, 0.5069, 0.2656

# Sweetspot

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



71.5901, 0.2985, 0.5948



84.5892, 0.3046, 0.4084



88.9701, 0.4045, 0.5170



17.7576, 0.3035, 0.4216



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.



71.5901, 0.2985, 0.5948



73.6819, 0.2652, 0.4747



20.1971, 0.3102, 0.3511



37.4169, 0.2982, 0.5934



3.6523, 0.2946, 0.5804

# Inverse Universe

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



26.9740, 0.3478, 0.1690



22.3058, 0.5357, 0.2725



18.2679, 0.3153, 0.3078



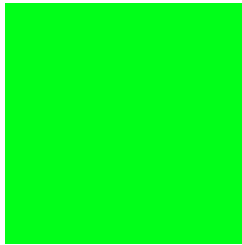
14.1071, 0.3473, 0.1687



1.3821, 0.3439, 0.1668

# Previews

## White Background



This preview shows how the Yxy color 71.5902, 0.2985, 0.5948 looks on a white background.

## Color Contrast Check

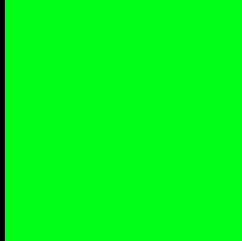
Large Text (above 18pt) WCAG AA × Fail

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 71.5902, 0.2985, 0.5948 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

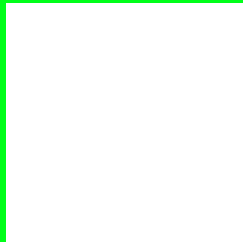
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.5902, 0.2985, 0.5948**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.5902, 0.2985, 0.5948.



This preview shows how white text looks on a background with the Yxy color 71.5902, 0.2985, 0.5948.



# 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

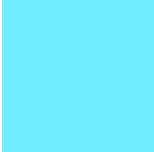
71.5902, 0.2985, 0.5948

### Protanopia

69.7356, 0.4413, 0.4878

### Deuteranopia

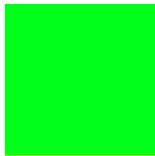
69.8621, 0.3961, 0.3978



## **Tritanopia**

70.7216, 0.2375, 0.3062

# Trichromacy



## Original Color

71.5902, 0.2985, 0.5948



## Protanomaly

64.3396, 0.3626, 0.5485



## Deuteranomaly

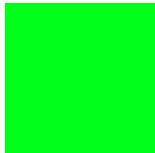
63.5591, 0.3427, 0.4870



## Tritanomaly

68.4192, 0.2629, 0.4276

# Monochromacy



## Original Color

71.5902, 0.2985, 0.5948



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

40.4089, 0.3002, 0.4676

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  71.5902, 0.2985, 0.5948 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, 255, 25)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 25)  
}
```

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, 255, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 25) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5902, 0.2985, 0.5948 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, 255, 25) }
```

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

```
.border{ border-color:rgb(0, 255, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 25);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 25)  
}
```

# Background

The CSS property to change the background color of an element to Yxy 71.5902, 0.2985, 0.5948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 25) }
```

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

```
.background{ background-color: rgb(0, 255,  
25) }
```

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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