

# Converting Colors

Yxy(68.8195, 0.2988, 0.5958)

Have a look what the booklet for  
Yxy(68.8195, 0.2988, 0.5958)  
contains.

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# Color

**Yxy(69.0485, 0.2988, 0.5958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FB15
RGB	0, 251, 21
RGB Percent	0%, 98%, 8%
CMY	1.0000, 0.0157, 0.9173
CMYK	1.00, 0.00, 0.92, 0.02
HSL	125°, 100%, 49%
HSV	125°, 100%, 98%
XYZ	34.6286, 69.0485, 12.2150
YIQ	149.7310, -75.7660, -124.7420

# Conversions

## Conversions Part 2

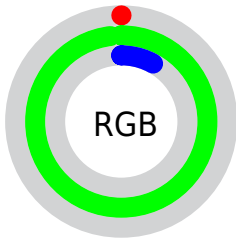
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 232, 251
Decimal	64277
CIELab	86.53, -84.82, 80.31
CIELCh	87, 116.812, 136.564
Yxy	69.0485, 0.2988, 0.5958
Android (android.graphics.Color)	4278254357 (0xFF00FB15)
YUV	149.7310, -63.4644, -131.3141
Hunter-Lab	83.0954, -71.0303, 49.4512

# Details

The Yxy color **69.0485, 0.2988, 0.5958** 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 **26.2199, 0.3437, 0.1667**, and the grayscale version is **30.6840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3050, 0.3130, 0.5245**, and **38.1399, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.0544, 0.2988, 0.5958**, and if you desaturate by 10%, it is **69.3904, 0.2980, 0.5847**.

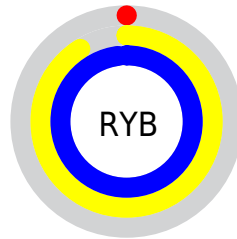
# Distribution



Red (0%)

Green (98%)

Blue (8%)



Red (0%)

Yellow (91%)

Blue (98%)

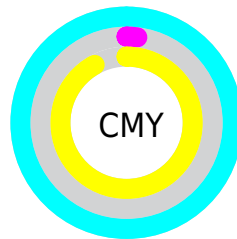


Cyan (100%)

Magenta (0%)

Yellow (92%)

Black (2%)



Cyan (100%)

Magenta (2%)


Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0485, 0.2988, 0.5958 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 69.0485, 0.2988, 0.5958 by changing the saturation by 10% instead.




 69.0485, 0.2988,  
0.5958


 69.0485, 0.2988,  
0.5958


457.2020, 0.3181,  
0.4625


 50.7512, 0.2904,  
0.6261


 117.8508, 0.3086,  
0.5490

 36.0106, 0.2781,  
0.6624

 149.1247, 0.3115,  
0.5308


 24.4424, 0.2594,  
0.7054


 185.4928, 0.3136,  
0.5153

 15.6621, 0.2342,  
0.7658

 227.3397, 0.3151,  
0.5018

 9.2854, 0.1886,  
0.8114

 275.0496, 0.3162,  
0.4900

 4.9278, 0.1276,  
0.8724

 329.0071, 0.3171,

 2.2050, 0.0000,

0.4797

1.0000

389.5964, 0.3177,  
0.4706

■ 0.7227, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.0485, 0.2988,  
0.5958

■ 69.0485, 0.2988,  
0.5958


■ 69.0544, 0.2988,  
0.5958


■ 69.3904, 0.2980,  
0.5847


■ 70.0893, 0.2975,  
0.5660

■ 71.2473, 0.2978,  
0.5402

■ 72.9259, 0.2988,  
0.5094

 75.1769, 0.3005,  
0.4759

 78.0462, 0.3027,  
0.4420

 81.5746, 0.3052,  
0.4096

 85.7997, 0.3077,  
0.3796

 90.7562, 0.3103,  
0.3527

# Harmonies

## Analogous

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



69.0485, 0.4163, 0.5540



69.0485, 0.2988, 0.5958



69.0485, 0.1901, 0.4878

# Triad

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



69.0485, 0.2988, 0.5958



69.0485, 0.1188, 0.1512



69.0485, 0.5419, 0.2896

# Complementary

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



69.0485, 0.2988, 0.5958



26.2199, 0.3437, 0.1667

# 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.



69.0485, 0.4141, 0.2193



69.0485, 0.2988, 0.5958



69.0485, 0.1706, 0.1444

# Square

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



69.0485, 0.2988, 0.5958



69.0485, 0.1031, 0.1980



69.0485, 0.2701, 0.1678



69.0485, 0.5763, 0.3674



# Rectangle

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



69.0485, 0.2988, 0.5958



69.0485, 0.1393, 0.3655



69.0485, 0.2701, 0.1678



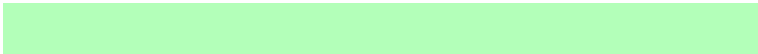
69.0485, 0.5070, 0.2650

# Sweetspot

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



69.0544, 0.2988, 0.5958



84.5439, 0.3052, 0.4096



85.8381, 0.4045, 0.5170



17.7473, 0.3041, 0.4231



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.



69.0544, 0.2988, 0.5958



71.5757, 0.2988, 0.5958



71.0885, 0.2652, 0.4745



19.3329, 0.3104, 0.3514



36.3032, 0.2985, 0.5946



3.3701, 0.2951, 0.5825



# Inverse Universe

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



26.2199, 0.3437, 0.1667



27.1765, 0.3437, 0.1667



21.5224, 0.5355, 0.2724



17.4979, 0.3151, 0.3076



13.7918, 0.3433, 0.1665

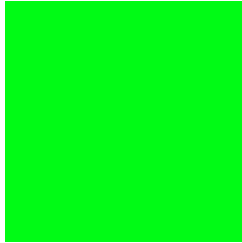


1.2846, 0.3403, 0.1648



# Previews

## White Background



This preview shows how the Yxy color 69.0485, 0.2988, 0.5958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

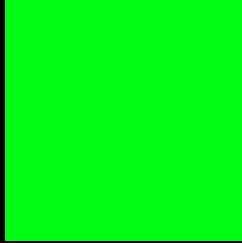
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0485, 0.2988, 0.5958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

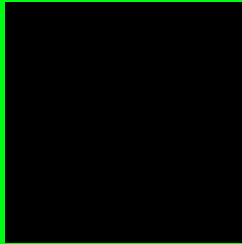
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

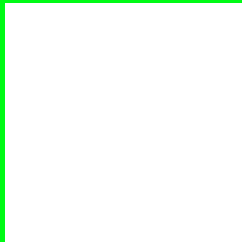
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.0485, 0.2988, 0.5958**

## Background



This preview shows how black text looks on a background with the Yxy color 69.0485, 0.2988, 0.5958.

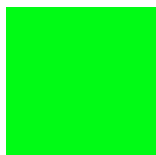


This preview shows how white text looks on a background with the Yxy color 69.0485, 0.2988, 0.5958.

# 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



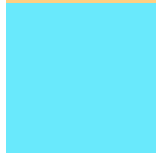
### Original Color

69.0485, 0.2988, 0.5958



### Deuteranopia

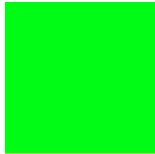
67.4706, 0.4086, 0.4084



### Tritanopia

68.3094, 0.2352, 0.3058

# Trichromacy



## Original Color

69.0485, 0.2988, 0.5958



## Deuteranomaly

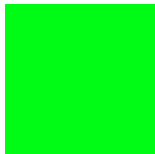
61.1949, 0.3491, 0.4953



## Tritanomaly

66.3406, 0.2622, 0.4291

# Monochromacy



## Original Color

69.0485, 0.2988, 0.5958



## Achromatopsia

30.4987, 0.3127, 0.3290



## Achromatomaly

38.9528, 0.3007, 0.4697

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0485, 0.2988, 0.5958 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, 251, 21)` looks like.

```
.text, #text, p{  
    color:rgb(0, 251, 21)  
}
```

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, 251, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 251, 21) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0485, 0.2988, 0.5958 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, 251, 21) }
```

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

```
.border{ border-color:rgb(0, 251, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 251, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 251, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 251, 21);  
box-shadow:4px 4px 4px 4px rgb(0, 251, 21)  
}
```

# Background

The CSS property to change the background color of an element to Yxy 69.0485, 0.2988, 0.5958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 251, 21) }
```

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

```
.background{ background-color: rgb(0, 251,  
21) }
```

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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