

# Converting Colors

$Yxy(67.7988, 0.2988, 0.5958)$

Have a look what the booklet for  
Yxy(67.7988, 0.2988, 0.5958)  
contains.

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# Color

**Yxy(67.8055, 0.2988, 0.5957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F915
RGB	0, 249, 21
RGB Percent	0%, 98%, 8%
CMY	1.0000, 0.0235, 0.9173
CMYK	1.00, 0.00, 0.92, 0.02
HSL	125°, 100%, 49%
HSV	125°, 100%, 98%
XYZ	34.0109, 67.8055, 12.0085
YIQ	148.5570, -75.2160, -123.6960

# Conversions

## Conversions Part 2

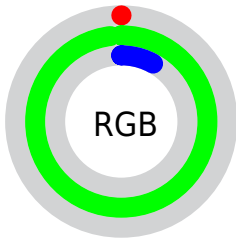
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 230, 249
Decimal	63765
CIELab	85.91, -84.29, 79.79
CIELCh	86, 116.068, 136.570
Yxy	67.8055, 0.2988, 0.5957
Android (android.graphics.Color)	4278253845 (0xFF00F915)
YUV	148.5570, -62.8856, -130.2845
Hunter-Lab	82.3441, -70.3757, 48.9944

# Details

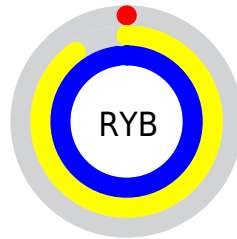
The Yxy color **67.8055, 0.2988, 0.5957** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **25.7367, 0.3439, 0.1668**, and the grayscale version is **30.1580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2346, 0.3125, 0.5248**, and **37.2616, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.8088, 0.2988, 0.5957**, and if you desaturate by 10%, it is **68.1407, 0.2979, 0.5846**.

# Distribution



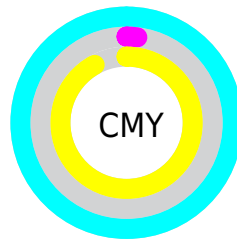
- Red (0%)
- Green (98%)
- Blue (8%)



- Red (0%)
- Yellow (90%)
- 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 67.8055, 0.2988, 0.5957 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 67.8055, 0.2988, 0.5957 by changing the saturation by 10% instead.




 67.8055, 0.2988,  
0.5957

 67.8055, 0.2988,  
0.5957


452.8066, 0.3181,  
0.4620

 49.7395, 0.2904,  
0.6262


 116.0739, 0.3087,  
0.5487


 35.2065, 0.2779,  
0.6627


 147.0450, 0.3115,  
0.5305

 23.8220, 0.2590,  
0.7062

 183.0867, 0.3136,  
0.5148

 15.2016, 0.2333,  
0.7667

 224.5833, 0.3152,  
0.5013

 8.9610, 0.1871,  
0.8129

 271.9192, 0.3163,  
0.4896

 4.7158, 0.1242,  
0.8758

 325.4787, 0.3171,

 2.0815, 0.0000,

0.4793

1.0000

385.6464, 0.3177,  
0.4701

■ 0.6542, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.8055, 0.2988,  
0.5957

■ 67.8055, 0.2988,  
0.5957

■ 67.8088, 0.2988,  
0.5957


■ 68.1407, 0.2979,  
0.5846


■ 68.8288, 0.2975,  
0.5658

■ 69.9674, 0.2977,  
0.5400


■ 71.6167, 0.2988,  
0.5092

 73.8277, 0.3005,  
0.4757

 76.6451, 0.3027,  
0.4419

 80.1090, 0.3052,  
0.4095

 84.2564, 0.3077,  
0.3795

 89.1210, 0.3103,  
0.3527

# Harmonies

## Analogous

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



67.8055, 0.4162, 0.5540



67.8055, 0.2988, 0.5957



67.8055, 0.1901, 0.4877

# Triad

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



67.8055, 0.2988, 0.5957



67.8055, 0.1189, 0.1513



67.8055, 0.5418, 0.2896

# Complementary

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



67.8055, 0.2988, 0.5957



25.7367, 0.3439, 0.1668

# 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.



67.8055, 0.4141, 0.2194



67.8055, 0.2988, 0.5957



67.8055, 0.1707, 0.1444

# Square

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



67.8055, 0.2988, 0.5957



67.8055, 0.1032, 0.1981



67.8055, 0.2701, 0.1679



67.8055, 0.5762, 0.3674



# Rectangle

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



67.8055, 0.2988, 0.5957



67.8055, 0.1393, 0.3655



67.8055, 0.2701, 0.1679



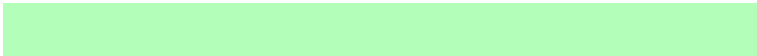
67.8055, 0.5070, 0.2651

# Sweetspot

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



67.8088, 0.2988, 0.5957



84.5463, 0.3051, 0.4096



84.2899, 0.4045, 0.5170



17.7479, 0.3041, 0.4230



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.



67.8088, 0.2988, 0.5957



71.5764, 0.2988, 0.5958



69.8064, 0.2651, 0.4745



19.3331, 0.3104, 0.3514



36.3036, 0.2985, 0.5945



3.3702, 0.2951, 0.5823



# Inverse Universe

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



25.7367, 0.3439, 0.1668



27.1656, 0.3439, 0.1668



21.1351, 0.5354, 0.2723



17.4977, 0.3151, 0.3076



13.7864, 0.3435, 0.1666

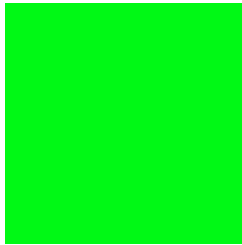


1.2841, 0.3405, 0.1649



# Previews

## White Background



This preview shows how the Yxy color 67.8055, 0.2988, 0.5957 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 67.8055, 0.2988, 0.5957 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

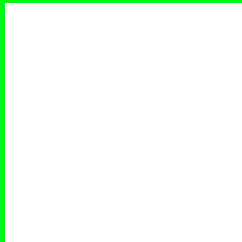
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.8055, 0.2988, 0.5957**

## Background



This preview shows how black text looks on a background with the Yxy color 67.8055, 0.2988, 0.5957.



This preview shows how white text looks on a background with the Yxy color 67.8055, 0.2988, 0.5957.

# 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

67.8055, 0.2988, 0.5957

### Protanopia

66.1138, 0.4409, 0.4881

### Deuteranopia

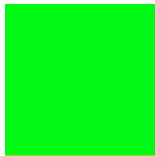
66.3031, 0.4152, 0.4139



## Tritanopia

67.5584, 0.2354, 0.3069

# Trichromacy



## Original Color

67.8055, 0.2988, 0.5957



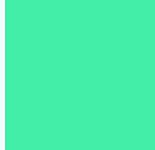
## Protanomaly

61.1825, 0.3622, 0.5489



## Deuteranomaly

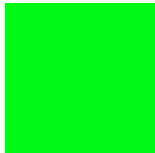
60.0502, 0.3521, 0.4988



## Tritanomaly

65.0973, 0.2620, 0.4285

# Monochromacy



## Original Color

67.8055, 0.2988, 0.5957



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

38.0901, 0.3014, 0.4691

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  67.8055, 0.2988, 0.5957 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, 249, 21)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 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, 249, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 21) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8055, 0.2988, 0.5957 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, 249, 21) }
```

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

```
.border{ border-color:rgb(0, 249, 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, 249, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 21);  
box-shadow:4px 4px 4px 4px rgb(0, 249, 21)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 67.8055, 0.2988, 0.5957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 21) }
```

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

```
.background{ background-color: rgb(0, 249,  
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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