

# Converting Colors

$Y_{xy}(72.2981, 0.2849, 0.5454)$

Have a look what the booklet for  
Yxy(72.2981, 0.2849, 0.5454)  
contains.

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# Color

**Yxy(72.3346, 0.2848, 0.5452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF5E
RGB	0, 255, 94
RGB Percent	0%, 100%, 37%
CMY	0.9986, 0.0000, 0.6314
CMYK	1.00, 0.00, 0.63, 0.00
HSL	142°, 100%, 50%
HSV	142°, 100%, 100%
XYZ	37.7859, 72.3346, 22.5548
YIQ	160.4010, -100.2990, -104.1310

# Conversions

## Conversions Part 2

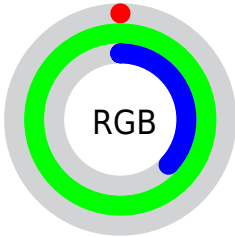
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 186, 255
Decimal	65374
CIELab	88.13, -81.18, 61.20
CIELCh	88, 101.665, 142.991
Yxy	72.3346, 0.2848, 0.5452
Android (android.graphics.Color)	4278255454 (0xFF00FF5E)
YUV	160.4010, -32.7357, -140.6717
Hunter-Lab	85.0498, -69.5330, 43.8114

# Details

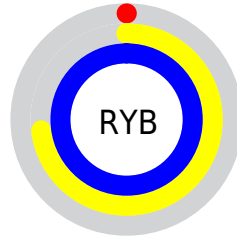
The Yxy color **72.3346, 0.2848, 0.5452** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **23.8536, 0.4436, 0.2218**, and the grayscale version is **35.5874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5039, 0.2904, 0.4631**, and **39.6012, 0.2955, 0.5839** is the 20% darker color. If you saturate the color by 10%, you get **72.3239, 0.2848, 0.5454**, and if you desaturate by 10%, it is **72.8657, 0.2813, 0.5255**.

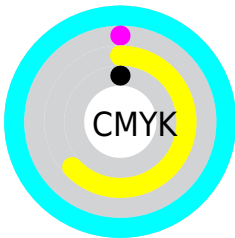
# Distribution



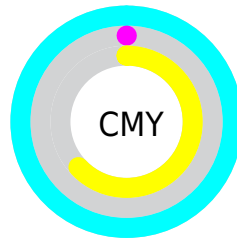
- Red (0%)
- Green (100%)
- Blue (37%)



- Red (0%)
- Yellow (73%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3346, 0.2848, 0.5452 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 72.3346, 0.2848, 0.5452 by changing the saturation by 10% instead.




 72.3346, 0.2848,  
0.5452


 72.3346, 0.2848,  
0.5452

468.7054, 0.3051,  
0.4359


 53.4321, 0.2780,  
0.5715


 122.5321, 0.2935,  
0.5059

 38.1478, 0.2685,  
0.6043


 154.5959, 0.2964,  
0.4910


 26.0974, 0.2547,  
0.6457


 191.8155, 0.2987,  
0.4783

 16.8965, 0.2339,  
0.6984

 234.5754, 0.3005,  
0.4674

 10.1607, 0.2035,  
0.7723

 283.2599, 0.3020,  
0.4580

 5.5057, 0.1518,  
0.8482

338.2535, 0.3032,

 2.5469, 0.0000,


0.4497

1.0000


399.9405, 0.3042,  
0.4424


 0.9000, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 72.3346, 0.2848,  
0.5452


 72.3346, 0.2848,  
0.5452

 72.3239, 0.2848,  
0.5454

 72.8657, 0.2813,  
0.5255

 73.7452, 0.2792,  
0.5032

 75.0551, 0.2790,  
0.4790

 76.8502, 0.2806,  
0.4541

■ 79.1768, 0.2838,  
0.4294

■ 82.0756, 0.2883,  
0.4057

■ 85.5831, 0.2938,  
0.3835

■ 89.7327, 0.2999,  
0.3633

■ 94.5554, 0.3063,  
0.3450

# Harmonies

## Analogous

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



72.3346, 0.3914, 0.5437



72.3346, 0.2848, 0.5452



72.3346, 0.1907, 0.4308

# Triad

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



72.3346, 0.2848, 0.5452



72.3346, 0.1451, 0.1660



72.3346, 0.5256, 0.3133

# Complementary

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



72.3346, 0.2848, 0.5452



23.8536, 0.4436, 0.2218

# 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.



72.3346, 0.4284, 0.2453



72.3346, 0.2848, 0.5452



72.3346, 0.2023, 0.1650

# Square

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



72.3346, 0.2848, 0.5452



72.3346, 0.1238, 0.2021



72.3346, 0.3016, 0.1927



72.3346, 0.5419, 0.3886



# Rectangle

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



72.3346, 0.2848, 0.5452



72.3346, 0.1495, 0.3323



72.3346, 0.3016, 0.1927



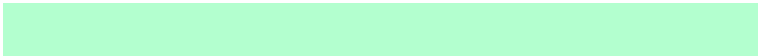
72.3346, 0.5008, 0.2896

# Sweetspot

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



72.3301, 0.2848, 0.5452



85.5311, 0.2937, 0.3838



79.1632, 0.3553, 0.5560



17.9751, 0.2913, 0.3930



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.



72.3301, 0.2848, 0.5452



72.3239, 0.2848, 0.5454



76.7452, 0.2367, 0.3721



20.2786, 0.3065, 0.3444



37.8170, 0.2840, 0.5424



3.7023, 0.2777, 0.5196



# Inverse Universe

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



23.8536, 0.4436, 0.2218



23.8416, 0.4439, 0.2219



21.3848, 0.6256, 0.3221



18.1804, 0.3195, 0.3141



12.4875, 0.4413, 0.2205

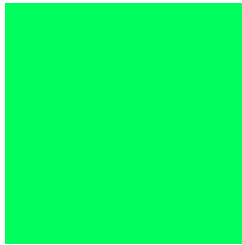


1.2369, 0.4239, 0.2109



# Previews

## White Background



This preview shows how the Yxy color 72.3346, 0.2848, 0.5452 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

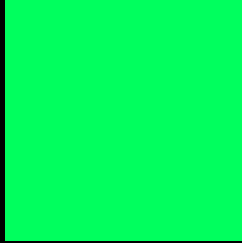
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3346, 0.2848, 0.5452 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

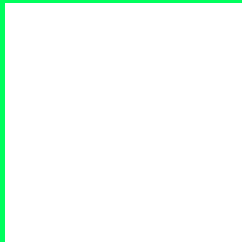
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.3346, 0.2848, 0.5452**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3346, 0.2848, 0.5452.

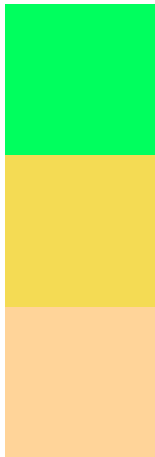


This preview shows how white text looks on a background with the Yxy color 72.3346, 0.2848, 0.5452.

# 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

72.3282, 0.2848, 0.5452

### Protanopia

70.5362, 0.4188, 0.4598

### Deuteranopia

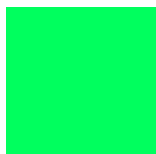
70.6469, 0.3892, 0.3898



## Tritanopia

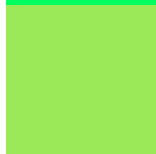
71.6399, 0.2396, 0.3075

# Trichromacy



## Original Color

72.3282, 0.2848, 0.5452



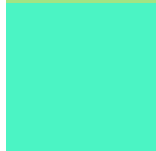
## Protanomaly

65.3864, 0.3420, 0.5067



## Deuteranomaly

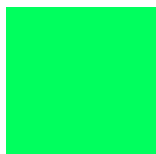
64.8341, 0.3261, 0.4517



## Tritanomaly

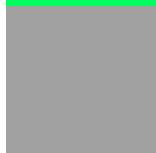
70.1827, 0.2529, 0.3925

# Monochromacy



## Original Color

72.3282, 0.2848, 0.5452



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

43.7199, 0.2852, 0.4208

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3346, 0.2848, 0.5452 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3346, 0.2848, 0.5452 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, 94) }
```

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

```
.border{ border-color:rgb(0, 255, 94) }
```

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, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 94)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 72.3346, 0.2848, 0.5452 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, 94) }
```

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

```
.background{ background-color: rgb(0, 255,  
94) }
```

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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