

# Converting Colors

$Y_{xy}(72.2927, 0.2854, 0.5474)$

Have a look what the booklet for  
Yxy(72.2927, 0.2854, 0.5474)  
contains.

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# Color

**Yxy(72.2927, 0.2854, 0.5474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF5C
RGB	0, 255, 92
RGB Percent	0%, 100%, 36%
CMY	0.9994, 0.0000, 0.6394
CMYK	1.00, 0.00, 0.64, 0.00
HSL	142°, 100%, 50%
HSV	142°, 100%, 100%
XYZ	37.6915, 72.2927, 22.0814
YIQ	160.1730, -99.6570, -104.7530

# Conversions

## Conversions Part 2

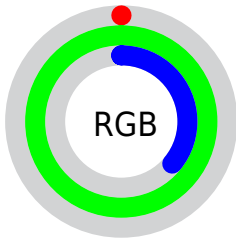
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 187, 255
Decimal	65372
CIELab	88.11, -81.40, 61.99
CIELCh	88, 102.323, 142.708
Yxy	72.2927, 0.2854, 0.5474
Android (android.graphics.Color)	4278255452 (0xFF00FF5C)
YUV	160.1730, -33.6093, -140.4717
Hunter-Lab	85.0251, -69.6651, 44.1197

# Details

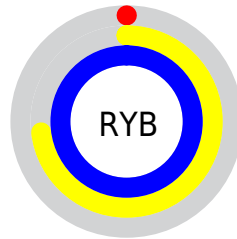
The Yxy color **72.2927, 0.2854, 0.5474** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **23.9154, 0.4407, 0.2202**, and the grayscale version is **35.4521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4400, 0.2913, 0.4657**, and **39.5788, 0.2963, 0.5868** is the 20% darker color. If you saturate the color by 10%, you get **72.2901, 0.2854, 0.5475**, and if you desaturate by 10%, it is **72.8237, 0.2819, 0.5277**.

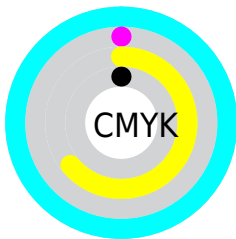
# Distribution



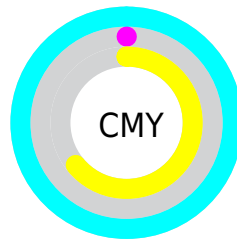
- Red (0%)
- Green (100%)
- Blue (36%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2927, 0.2854, 0.5474 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 72.2927, 0.2854, 0.5474 by changing the saturation by 10% instead.




 72.2927, 0.2854,  
0.5474

 72.2927, 0.2854,  
0.5474

468.5597, 0.3056,  
0.4370

 53.3978, 0.2786,  
0.5740

 122.4726, 0.2941,  
0.5078


 38.1204, 0.2690,  
0.6070


 154.5264, 0.2970,  
0.4927


 26.0762, 0.2551,  
0.6486


 191.7352, 0.2993,  
0.4799

 16.8806, 0.2340,  
0.7013

 234.4836, 0.3011,  
0.4689

 10.1494, 0.2036,  
0.7765

 283.1558, 0.3025,  
0.4593

 5.4981, 0.1509,  
0.8491


338.1363, 0.3037,

 2.5424, 0.0000,


0.4510

1.0000


399.8095, 0.3047,  
0.4436


 0.8978, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 72.2927, 0.2854,  
0.5474


 72.2927, 0.2854,  
0.5474


 72.2901, 0.2854,  
0.5475


 72.8237, 0.2819,  
0.5277


 73.6982, 0.2798,  
0.5053


 75.0040, 0.2796,  
0.4810

 76.7962, 0.2811,  
0.4558

 79.1210, 0.2843,  
0.4308

 82.0194, 0.2887,  
0.4068

 85.5280, 0.2941,  
0.3844

 89.6803, 0.3000,  
0.3638

 94.5073, 0.3063,  
0.3453

# Harmonies

## Analogous

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



72.2927, 0.3924, 0.5444



72.2927, 0.2854, 0.5474



72.2927, 0.1907, 0.4330

# Triad

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



72.2927, 0.2854, 0.5474



72.2927, 0.1439, 0.1654



72.2927, 0.5263, 0.3123

# Complementary

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



72.2927, 0.2854, 0.5474



23.9154, 0.4407, 0.2202

# Split Complementary

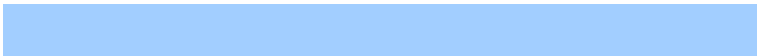
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.2927, 0.4279, 0.2442



72.2927, 0.2854, 0.5474



72.2927, 0.2009, 0.1641

# Square

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



72.2927, 0.2854, 0.5474



72.2927, 0.1229, 0.2019



72.2927, 0.3003, 0.1916



72.2927, 0.5434, 0.3877



# Rectangle

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



72.2927, 0.2854, 0.5474



72.2927, 0.1490, 0.3335



72.2927, 0.3003, 0.1916



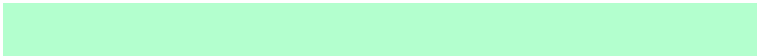
72.2927, 0.5011, 0.2886

# Sweetspot

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



72.2930, 0.2854, 0.5474



85.5031, 0.2940, 0.3845



79.6066, 0.3580, 0.5539



17.9685, 0.2917, 0.3938



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.



72.2930, 0.2854, 0.5474



72.2901, 0.2854, 0.5475



76.5191, 0.2383, 0.3779



20.2763, 0.3066, 0.3446



37.7990, 0.2846, 0.5445



3.7004, 0.2783, 0.5217



# Inverse Universe

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



23.9154, 0.4407, 0.2202



23.9097, 0.4408, 0.2202



21.4061, 0.6226, 0.3204



18.1828, 0.3194, 0.3139



12.5229, 0.4383, 0.2188

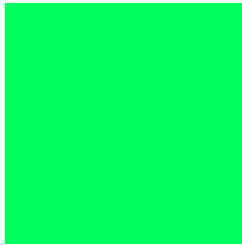


1.2402, 0.4213, 0.2095



# Previews

## White Background



This preview shows how the Yxy color 72.2927, 0.2854, 0.5474 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 72.2927, 0.2854, 0.5474 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

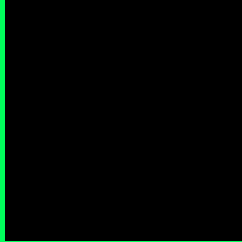
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

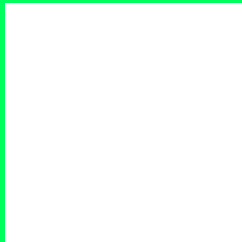
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.2927, 0.2854, 0.5474**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2927, 0.2854, 0.5474.

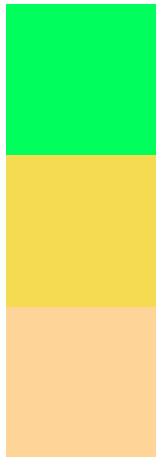


This preview shows how white text looks on a background with the Yxy color 72.2927, 0.2854, 0.5474.

# 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

72.2927, 0.2854, 0.5474

### Protanopia

70.5053, 0.4197, 0.4612

### Deuteranopia

70.6469, 0.3892, 0.3898



## Tritanopia

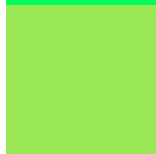
71.6399, 0.2396, 0.3075

# Trichromacy



## Original Color

72.2927, 0.2854, 0.5474



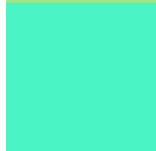
## Protanomaly

65.3537, 0.3428, 0.5086



## Deuteranomaly

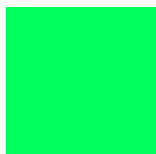
64.8069, 0.3267, 0.4530



## Tritanomaly

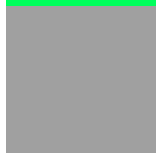
70.1827, 0.2529, 0.3925

# Monochromacy



## Original Color

72.2927, 0.2854, 0.5474



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

43.6043, 0.2858, 0.4243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2927, 0.2854, 0.5474 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2927, 0.2854, 0.5474 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, 92) }
```

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

```
.border{ border-color:rgb(0, 255, 92) }
```

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, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 92)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 72.2927, 0.2854, 0.5474 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, 92) }
```

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

```
.background{ background-color: rgb(0, 255,  
92) }
```

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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