

# Converting Colors

Yxy(69.6786, 0.3614, 0.5512)

Have a look what the booklet for  
Yxy(69.6786, 0.3614, 0.5512)  
contains.

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**Color**

**Yxy(69.8972, 0.3616, 0.5511)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1F000
RGB	161, 240, 0
RGB Percent	63%, 94%, 0%
CMY	0.3685, 0.0588, 1.0000
CMYK	0.33, 0.00, 1.00, 0.06
HSL	80°, 100%, 47%
HSV	80°, 100%, 94%
XYZ	45.8625, 69.8972, 11.0724
YIQ	189.0190, 29.9560, -91.3880

# Conversions

## Conversions Part 2

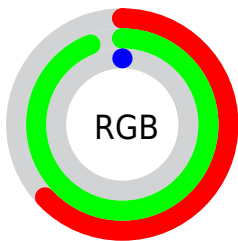
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 240, 79
Decimal	10612736
CIELab	86.95, -51.56, 84.14
CIELCh	87, 98.684, 121.500
Yxy	69.8972, 0.3616, 0.5511
Android (android.graphics.Color)	4288802816 (0xFFA1F000)
YUV	189.0190, -93.1864, -24.5727
Hunter-Lab	83.6045, -48.3891, 50.6709

# Details

The Yxy color **69.8972, 0.3616, 0.5511** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle saturated chartreuse. A complement of this color would be **7.9522, 0.1725, 0.0724**, and the grayscale version is **51.4368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6475, 0.3782, 0.4914**, and **36.6337, 0.3440, 0.5651** is the 20% darker color. If you saturate the color by 10%, you get **69.9003, 0.3616, 0.5511**, and if you desaturate by 10%, it is **70.8130, 0.3653, 0.5426**.

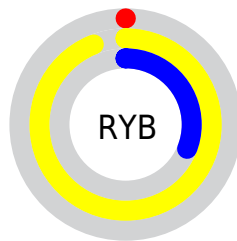
# Distribution



Red (63%)

Green (94%)

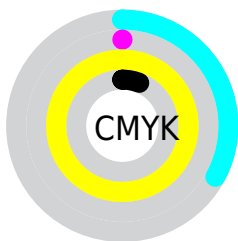
Blue (0%)



Red (0%)

Yellow (94%)

Blue (31%)

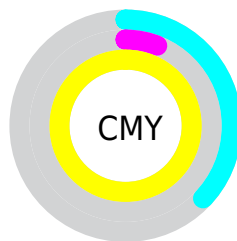


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (37%)

Magenta (6%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8972, 0.3616, 0.5511 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 69.8972, 0.3616, 0.5511 by changing the saturation by 10% instead.





 69.8972, 0.3616,  
0.5511


 69.8972, 0.3616,  
0.5511

460.1890, 0.3504,  
0.4467


 51.4427, 0.3602,  
0.5730


 119.0621, 0.3608,  
0.5160


 36.5611, 0.3564,  
0.5982


 150.5414, 0.3595,  
0.5019


 24.8678, 0.3482,  
0.6270


 187.1311, 0.3581,  
0.4896

 15.9786, 0.3356,  
0.6644


 229.2155, 0.3565,  
0.4789

 9.5090, 0.3060,  
0.6940

 277.1791, 0.3549,  
0.4694

 5.0747, 0.2630,  
0.7370

 331.4063, 0.3534,

 2.2911, 0.1863,

0.4610

0.8137

392.2815, 0.3519,  
0.4535

0.7690, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.8972, 0.3616,  
0.5511

69.8972, 0.3616,  
0.5511

69.9003, 0.3616,  
0.5511

70.8130, 0.3653,  
0.5426

71.8600, 0.3669,  
0.5296

73.0676, 0.3660,  
0.5116

74.4520, 0.3626,  
0.4893

■ 76.0266, 0.3570,  
0.4639

■ 77.8034, 0.3496,  
0.4365

■ 79.7932, 0.3411,  
0.4084

■ 82.0060, 0.3318,  
0.3807

■ 84.4509, 0.3222,  
0.3540

# Harmonies

## Analogous

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



69.8972, 0.4602, 0.4928



69.8972, 0.3616, 0.5511



69.8972, 0.2569, 0.5190

# Triad

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



69.8972, 0.3616, 0.5511



69.8972, 0.1288, 0.1897



69.8972, 0.4595, 0.2647

# Complementary

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



69.8972, 0.3616, 0.5511



7.9522, 0.1725, 0.0724

# 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.



69.8972, 0.3362, 0.2071



69.8972, 0.3616, 0.5511



69.8972, 0.1594, 0.1648

# Square

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



69.8972, 0.3616, 0.5511



69.8972, 0.1315, 0.2600



69.8972, 0.2275, 0.1721



69.8972, 0.5353, 0.3346



# Rectangle

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



69.8972, 0.3616, 0.5511



69.8972, 0.1967, 0.4361



69.8972, 0.2275, 0.1721



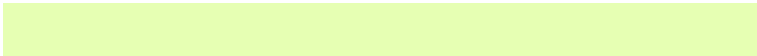
69.8972, 0.4203, 0.2436

# Sweetspot

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



69.9003, 0.3616, 0.5511



91.5492, 0.3412, 0.4087



23.6941, 0.5948, 0.3659



19.3822, 0.3449, 0.4206



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.



69.9003, 0.3616, 0.5511



80.1887, 0.3614, 0.5512



62.8555, 0.3052, 0.5958



18.1833, 0.3217, 0.3527



38.3399, 0.3625, 0.5504



3.2433, 0.3701, 0.5443



# Inverse Universe

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



7.9522, 0.1725, 0.0724



9.1004, 0.1722, 0.0722



18.0270, 0.2742, 0.1284



15.4813, 0.3031, 0.3049



4.4174, 0.1740, 0.0732

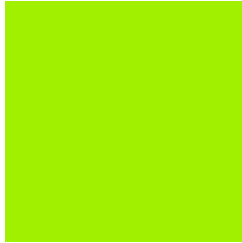


0.4196, 0.1882, 0.0810



# Previews

## White Background



This preview shows how the Yxy color 69.8972, 0.3616, 0.5511 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

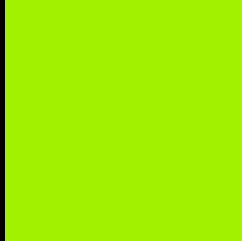
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8972, 0.3616, 0.5511 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

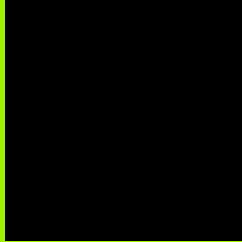
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.8972, 0.3616, 0.5511**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8972, 0.3616, 0.5511.



This preview shows how white text looks on a background with the Yxy color 69.8972, 0.3616, 0.5511.

# 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

69.8972, 0.3616, 0.5511

### Protanopia

68.8588, 0.4406, 0.4884

### Deuteranopia

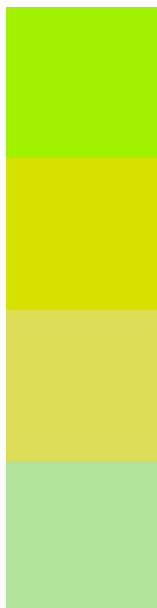
69.1882, 0.4008, 0.4027



## Tritanopia

69.4405, 0.2767, 0.3086

# Trichromacy



## Original Color

69.8972, 0.3616, 0.5511

## Protanomaly

68.1466, 0.4107, 0.5121

## Deuteranomaly

67.7896, 0.3974, 0.4691

## Tritanomaly

67.5686, 0.3236, 0.4231

# Monochromacy



## Original Color

69.8972, 0.3616, 0.5511

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

56.0515, 0.3512, 0.4419

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8972, 0.3616, 0.5511 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(161, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 240, 0)  
}
```

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(161, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 240, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8972, 0.3616, 0.5511 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(161, 240, 0) }
```

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

```
.border{ border-color:rgb(161, 240, 0) }
```

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

Here you see how a box with a 4 pixel rgb(161, 240, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 240,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8972, 0.3616, 0.5511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 240, 0) }
```

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

```
.background{ background-color: rgb(161,  
240, 0) }
```

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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