

# Converting Colors

$Yxy(72.4917, 0.1980, 0.4903)$

Have a look what the booklet for  
Yxy(72.4917, 0.1980, 0.4903)  
contains.

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# Color

**Yxy(74.0932, 0.2603, 0.4571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FFA1
RGB	0, 255, 161
RGB Percent	0%, 100%, 63%
CMY	1.0000, 0.0000, 0.3685
CMYK	1.00, 0.00, 0.37, 0.00
HSL	158°, 100%, 50%
HSV	158°, 100%, 100%
XYZ	42.1931, 74.0932, 45.8078
YIQ	168.0390, -121.8060, -83.2940

# Conversions

## Conversions Part 2

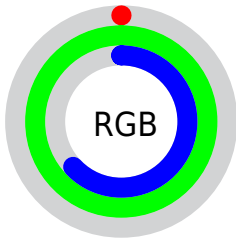
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 156, 255
Decimal	65441
CIELab	88.97, -71.02, 31.12
CIELCh	89, 77.538, 156.341
Yxy	74.0932, 0.2603, 0.4571
Android (android.graphics.Color)	4278255521 (0xFF00FFA1)
YUV	168.0390, -3.4702, -147.3702
Hunter-Lab	86.0774, -63.1390, 28.7018

# Details

The Yxy color **74.0932, 0.2603, 0.4571** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.0676, 0.5554, 0.2833**, and the grayscale version is **39.2415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1227, 0.2594, 0.3764**, and **41.0366, 0.2675, 0.4830** is the 20% darker color. If you saturate the color by 10%, you get **74.0942, 0.2603, 0.4571**, and if you desaturate by 10%, it is **74.6515, 0.2580, 0.4431**.

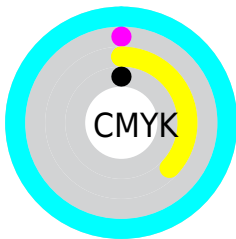
# Distribution



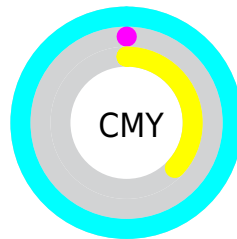
- Red (0%)
- Green (100%)
- Blue (63%)



- Red (0%)
- Yellow (61%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0932, 0.2603, 0.4571 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 74.0932, 0.2603, 0.4571 by changing the saturation by 10% instead.




 74.0932, 0.2603,  
0.4571

 74.0932, 0.2603,  
0.4571


474.7950, 0.2868,  
0.3933

 54.8703, 0.2537,  
0.4728


 125.0279, 0.2699,  
0.4341


 39.2979, 0.2453,  
0.4927


 157.5085, 0.2736,  
0.4254


 26.9916, 0.2341,  
0.5187


 195.1772, 0.2766,  
0.4180

 17.5669, 0.2189,  
0.5539

 238.4183, 0.2792,  
0.4116

 10.6395, 0.1970,  
0.6038

 287.6163, 0.2815,  
0.4061

 5.8250, 0.1638,  
0.6778


343.1554, 0.2835,

 2.7389, 0.0842,


0.4013

0.8802

405.4202, 0.2852,  
0.3970


 0.9970, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 74.0932, 0.2603,  
0.4571


 74.0932, 0.2603,  
0.4571


 74.0942, 0.2603,  
0.4571


 74.6515, 0.2580,  
0.4431


 75.5119, 0.2575,  
0.4287

 76.7607, 0.2590,  
0.4142


 78.4505, 0.2625,  
0.3999

 80.6253, 0.2680,  
0.3860

 83.3235, 0.2750,  
0.3727

 86.5797, 0.2833,  
0.3603

 90.4255, 0.2925,  
0.3488

 94.8898, 0.3024,  
0.3384

# Harmonies

## Analogous

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



74.0932, 0.3455, 0.5012



74.0932, 0.2603, 0.4571



74.0932, 0.1943, 0.3580

# Triad

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



74.0932, 0.2603, 0.4571



74.0932, 0.1948, 0.1937



74.0932, 0.4910, 0.3505

# Complementary

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



74.0932, 0.2603, 0.4571



22.0676, 0.5554, 0.2833

# 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.



74.0932, 0.4397, 0.2886



74.0932, 0.2603, 0.4571



74.0932, 0.2582, 0.2032

# Square

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



74.0932, 0.2603, 0.4571



74.0932, 0.1631, 0.2124



74.0932, 0.3484, 0.2367



74.0932, 0.4826, 0.4159



# Rectangle

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



74.0932, 0.2603, 0.4571



74.0932, 0.1689, 0.2931



74.0932, 0.3484, 0.2367



74.0932, 0.4804, 0.3292

# Sweetspot

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



74.0942, 0.2603, 0.4571



86.5797, 0.2833, 0.3603



74.1028, 0.3210, 0.5834



18.2228, 0.2796, 0.3654



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.



74.0942, 0.2603, 0.4571



61.2057, 0.2142, 0.2910



20.3612, 0.3029, 0.3379



38.7456, 0.2597, 0.4548



3.7936, 0.2552, 0.4387

# Inverse Universe

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



22.0676, 0.5554, 0.2833



22.1759, 0.6322, 0.3362



18.0978, 0.3236, 0.3203



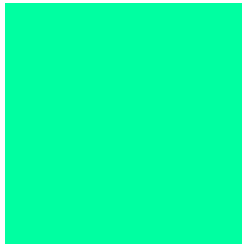
11.5571, 0.5511, 0.2809



1.1455, 0.5200, 0.2638

# Previews

## White Background



This preview shows how the Yxy color 74.0932, 0.2603, 0.4571 looks on a white background.

## Color Contrast Check

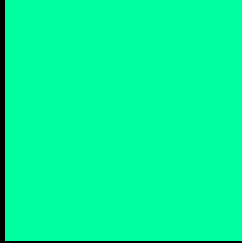
Large Text (above 18pt) WCAG AA × Fail

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 74.0932, 0.2603, 0.4571 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

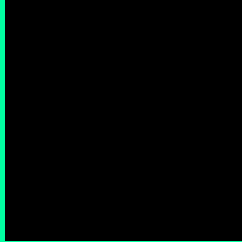
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

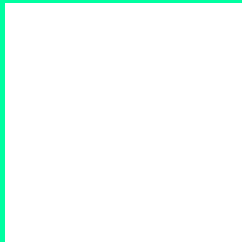
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.0932, 0.2603, 0.4571**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.0932, 0.2603, 0.4571.



This preview shows how white text looks on a background with the Yxy color 74.0932, 0.2603, 0.4571.



# Color Blindness Simulation

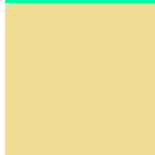
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

74.0932, 0.2603, 0.4571



### Protanopia

72.3448, 0.3779, 0.4077



### Deuteranopia

72.5675, 0.3700, 0.3662



## Tritanopia

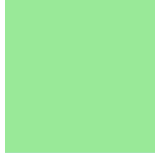
73.6988, 0.2446, 0.3102

# Trichromacy



## Original Color

74.0932, 0.2603, 0.4571



## Protanomaly

67.3171, 0.3085, 0.4331



## Deuteranomaly

66.6986, 0.3028, 0.4010



## Tritanomaly

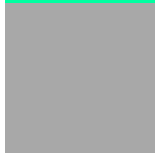
72.3643, 0.2446, 0.3593

# Monochromacy



## Original Color

74.0932, 0.2603, 0.4571



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

47.1510, 0.2711, 0.3815

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0932, 0.2603, 0.4571 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0932, 0.2603, 0.4571 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, 161) }
```

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

```
.border{ border-color:rgb(0, 255, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
161) }
```

# Background

The CSS property to change the background color of an element to Yxy 74.0932, 0.2603, 0.4571 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, 161) }
```

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

```
.background{ background-color: rgb(0, 255,  
161) }
```

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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