

# Converting Colors

$Yxy(74.1764, 0.2654, 0.4663)$

Have a look what the booklet for  
Yxy(74.1764, 0.2654, 0.4663)  
contains.

|   |    |
|---|----|
| <b>Yxy(74.1764, 0.2654, 0.4663)</b> ..... | 3  |
| <b>Conversions</b> .....                  | 4  |
| <b>Details</b> .....                      | 6  |
| <b>Harmonies</b> .....                    | 12 |
| <b>Previews</b> .....                     | 24 |
| <b>Color Blindness Simulation</b> .....   | 27 |
| <b>CSS Examples</b> .....                 | 30 |

# Color

**Yxy(74.1764, 0.2654, 0.4663)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 21FF9A                       |
| RGB         | 33, 255, 154                 |
| RGB Percent | 13%, 100%, 60%               |
| CMY         | 0.8712, 0.0000, 0.3959       |
| CMYK        | 0.87, 0.00, 0.40, 0.00       |
| HSL         | 153°, 100%, 56%              |
| HSV         | 153°, 87%, 100%              |
| XYZ         | 42.2183, 74.1764, 42.6797    |
| YIQ         | 177.1080, -99.8910, -78.4750 |

# Conversions

## Conversions Part 2

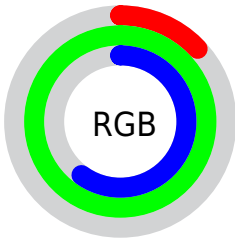
| <b>Format</b>                       | <b>Color</b>                     |
|-------------------------------------|----------------------------------|
| <b>RYB</b>                          | 33, 177, 255                     |
| Decimal                             | 2228122                          |
| CIELab                              | 89.01, -71.11, 34.68             |
| CIELCh                              | 89, 79.118, 154.006              |
| Yxy                                 | 74.1764, 0.2654,<br>0.4663       |
| Android<br>(android.graphics.Color) | 4280418202<br>(0xFF21FF9A)       |
| YUV                                 | 177.1080, -11.3922,<br>-126.3827 |
| Hunter-Lab                          | 86.1257, -63.2203,<br>30.9068    |

# Details

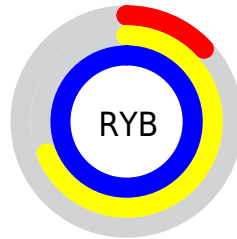
The Yxy color **74.1764, 0.2654, 0.4663** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **24.0549, 0.4858, 0.2537**, and the grayscale version is **44.1024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2610, 0.2653, 0.3850**, and **40.8918, 0.2710, 0.4954** is the 20% darker color. If you saturate the color by 10%, you get **73.5339, 0.2680, 0.4834**, and if you desaturate by 10%, it is **75.1694, 0.2647, 0.4485**.

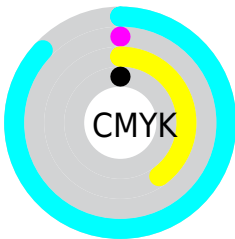
# Distribution



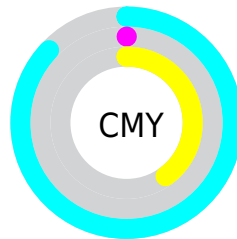
- Red (13%)
- Green (100%)
- Blue (60%)



- Red (13%)
- Yellow (69%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (87%)
- Magenta (0%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.1764, 0.2654, 0.4663 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 74.1764, 0.2654, 0.4663 by changing the saturation by 10% instead.




 74.1764, 0.2654,  
0.4663

 74.1764, 0.2654,  
0.4663


475.0820, 0.2899,  
0.3977


 54.9384, 0.2591,  
0.4832

 125.1458, 0.2745,  
0.4415


 39.3524, 0.2510,  
0.5046


 157.6461, 0.2778,  
0.4322

 27.0340, 0.2402,  
0.5325


 195.3359, 0.2806,  
0.4242

 17.5988, 0.2252,  
0.5703

 238.5996, 0.2831,  
0.4174

 10.6623, 0.2033,  
0.6234

287.8217, 0.2851,  
0.4115

 5.8402, 0.1694,  
0.7014

343.3865, 0.2869,

 2.7482, 0.0876,


0.4063

0.9124


405.6785, 0.2885,  
0.4017


 1.0017, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.1764, 0.2654,  
0.4663


 74.1764, 0.2654,  
0.4663


 73.5339, 0.2680,  
0.4834


 75.1694, 0.2647,  
0.4485

 73.3874, 0.2690,  
0.4882


 76.5805, 0.2662,  
0.4304


 78.4587, 0.2696,  
0.4125

 80.8465, 0.2747,  
0.3952

 83.7816, 0.2813,  
0.3788

 87.2981, 0.2889,  
0.3636

 91.4271, 0.2974,  
0.3497

 96.1975, 0.3062,  
0.3371

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



74.1764, 0.3525, 0.5049



74.1764, 0.2654, 0.4663



74.1764, 0.1962, 0.3668

# Triad

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



74.1764, 0.2654, 0.4663



74.1764, 0.1892, 0.1920



74.1764, 0.4925, 0.3453

# Complementary

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



74.1764, 0.2654, 0.4663



24.0549, 0.4858, 0.2537

# 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.



74.1764, 0.4359, 0.2832



74.1764, 0.2654, 0.4663



74.1764, 0.2510, 0.1996

# Square

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



74.1764, 0.2654, 0.4663



74.1764, 0.1596, 0.2132



74.1764, 0.3413, 0.2318



74.1764, 0.4881, 0.4115



# Rectangle

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



74.1764, 0.2654, 0.4663



74.1764, 0.1687, 0.2991



74.1764, 0.3413, 0.2318



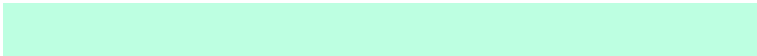
74.1764, 0.4801, 0.3239

# Sweetspot

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



74.1751, 0.2654, 0.4663



87.7296, 0.2899, 0.3620



76.9065, 0.3377, 0.5613



18.4974, 0.2871, 0.3671



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.



74.1751, 0.2654, 0.4663



73.3874, 0.2690, 0.4882



74.4267, 0.2239, 0.3197



20.3340, 0.3041, 0.3400



38.3770, 0.2682, 0.4855



3.7587, 0.2628, 0.4661



# Inverse Universe

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



24.0549, 0.4858, 0.2537



22.5183, 0.5197, 0.2637



22.9033, 0.6145, 0.3329



18.1244, 0.3223, 0.3182



11.7956, 0.5157, 0.2615

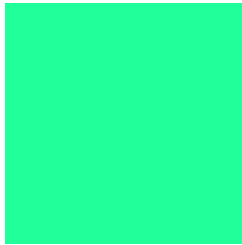


1.1702, 0.4879, 0.2462



# Previews

## White Background



This preview shows how the Yxy color 74.1764, 0.2654, 0.4663 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 74.1764, 0.2654, 0.4663 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 74.1764, 0.2654, 0.4663**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.1764, 0.2654, 0.4663.

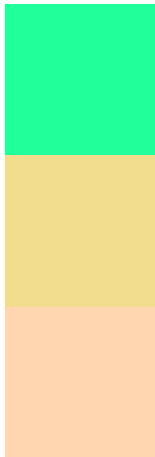


This preview shows how white text looks on a background with the Yxy color 74.1764, 0.2654, 0.4663.

# 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

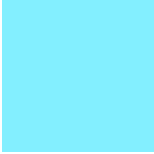
74.1764, 0.2654, 0.4663

### Protanopia

72.3368, 0.3827, 0.4136

### Deuteranopia

72.4877, 0.3715, 0.3683



## **Tritanopia**

73.7783, 0.2450, 0.3102

# Trichromacy



## Original Color

74.1764, 0.2654, 0.4663



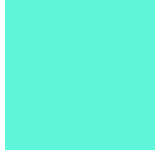
## Protanomaly

68.3525, 0.3196, 0.4383



## Deuteranomaly

67.8644, 0.3132, 0.4045



## Tritanomaly

72.7997, 0.2494, 0.3630

# Monochromacy



## Original Color

74.1764, 0.2654, 0.4663



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

50.8872, 0.2801, 0.3805

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.1764, 0.2654, 0.4663 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(33, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 154)  
}
```

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(33, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 74.1764, 0.2654, 0.4663 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(33, 255, 154) }
```

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

```
.border{ border-color:rgb(33, 255, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 255, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(33, 255,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.1764, 0.2654, 0.4663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 154) }
```

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

```
.background{ background-color: rgb(33, 255,  
154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor