

Converting Colors

$Yxy(74.3441, 0.2574, 0.4467)$

Have a look what the booklet for
Yxy(74.3441, 0.2574, 0.4467)
contains.

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Color

Yxy(74.3472, 0.2575, 0.4470)

Conversions

Conversions Part 1

Format	Color
Hex	00FFA8
RGB	0, 255, 168
RGB Percent	0%, 100%, 66%
CMY	1.0000, 0.0000, 0.3411
CMYK	1.00, 0.00, 0.34, 0.00
HSL	160°, 100%, 50%
HSV	160°, 100%, 100%
XYZ	42.8286, 74.3472, 49.1490
YIQ	168.8370, -124.0530, -81.1170

Conversions

Conversions Part 2

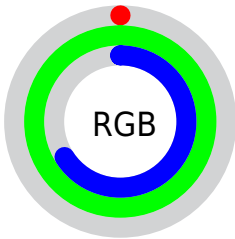
Format	Color
RYB	0, 154, 255
Decimal	65448
CIELab	89.09, -69.63, 27.76
CIELCh	89, 74.963, 158.262
Yxy	74.3472, 0.2575, 0.4470
Android (android.graphics.Color)	4278255528 (0xFF00FFA8)
YUV	168.8370, -0.4126, -148.0700
Hunter-Lab	86.2248, -62.2309, 26.5615

Details

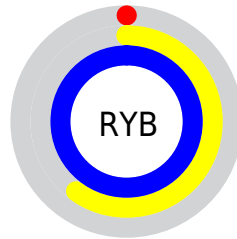
The Yxy color **74.3472, 0.2575, 0.4470** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **21.9477, 0.5661, 0.2892**, and the grayscale version is **39.6404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5467, 0.2559, 0.3662**, and **41.1703, 0.2645, 0.4722** is the 20% darker color. If you saturate the color by 10%, you get **74.3480, 0.2575, 0.4470**, and if you desaturate by 10%, it is **74.8963, 0.2555, 0.4340**.

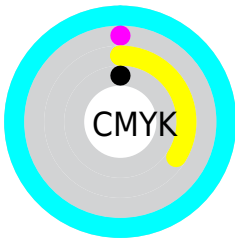
Distribution



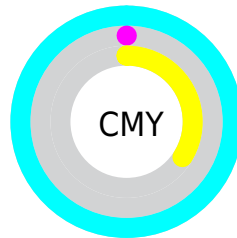
- Red (0%)
- Green (100%)
- Blue (66%)



- Red (0%)
- Yellow (60%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3472, 0.2575, 0.4470 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 74.3472, 0.2575, 0.4470 by changing the saturation by 10% instead.


 74.3472, 0.2575,
0.4470


 74.3472, 0.2575,
0.4470


475.6708, 0.2849,
0.3885


 55.0783, 0.2508,
0.4613

 125.3879, 0.2674,
0.4259

 39.4644, 0.2423,
0.4795


 157.9284, 0.2711,
0.4179

 27.1212, 0.2312,
0.5032


 195.6615, 0.2743,
0.4112

 17.6643, 0.2162,
0.5353

 238.9717, 0.2770,
0.4054

 10.7092, 0.1949,
0.5809

 288.2434, 0.2794,
0.4003

 5.8717, 0.1630,
0.6492


343.8608, 0.2814,

 2.7672, 0.0898,

0.3959

0.8055

406.2085, 0.2833,
0.3920

 1.0114, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 74.3472, 0.2575,
0.4470

 74.3472, 0.2575,
0.4470


 74.3480, 0.2575,
0.4470

 74.8963, 0.2555,
0.4340


 75.7443, 0.2551,
0.4208

 76.9773, 0.2569,
0.4075


 78.6477, 0.2607,
0.3943

 80.7994, 0.2663,
0.3815

 83.4707, 0.2736,
0.3693

 86.6962, 0.2822,
0.3579

 90.5072, 0.2918,
0.3473

 94.9328, 0.3020,
0.3377

Harmonies

Analogous

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



74.3472, 0.3398, 0.4945



74.3472, 0.2575, 0.4470



74.3472, 0.1950, 0.3508

Triad

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



74.3472, 0.2575, 0.4470



74.3472, 0.2012, 0.1973



74.3472, 0.4864, 0.3547

Complementary

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



74.3472, 0.2575, 0.4470



21.9477, 0.5661, 0.2892

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.



74.3472, 0.4401, 0.2938



74.3472, 0.2575, 0.4470



74.3472, 0.2650, 0.2081

Square

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



74.3472, 0.2575, 0.4470



74.3472, 0.1682, 0.2139



74.3472, 0.3535, 0.2422



74.3472, 0.4753, 0.4184

Rectangle

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



74.3472, 0.2575, 0.4470



74.3472, 0.1715, 0.2895



74.3472, 0.3535, 0.2422



74.3472, 0.4772, 0.3338

Sweetspot

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



74.3480, 0.2575, 0.4470



86.6962, 0.2822, 0.3579



73.6562, 0.3175, 0.5861



18.2506, 0.2784, 0.3626



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.



74.3480, 0.2575, 0.4470



56.7169, 0.2110, 0.2796



20.3700, 0.3026, 0.3372



38.8775, 0.2569, 0.4448



3.8059, 0.2528, 0.4300

Inverse Universe

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



21.9477, 0.5661, 0.2892



22.6623, 0.6282, 0.3394



18.0893, 0.3240, 0.3209



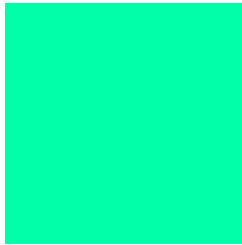
11.4932, 0.5617, 0.2868



1.1386, 0.5301, 0.2694

Previews

White Background



This preview shows how the Yxy color 74.3472, 0.2575, 0.4470 looks on a white background.

Color Contrast Check

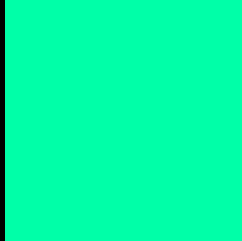
Large Text (above 18pt) WCAG AA × Fail

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 74.3472, 0.2575, 0.4470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

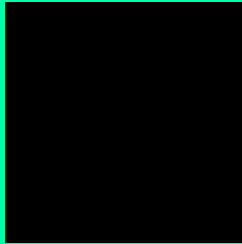
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.3472, 0.2575, 0.4470

Background



This preview shows how black text looks on a background with the Yxy color 74.3472, 0.2575, 0.4470.

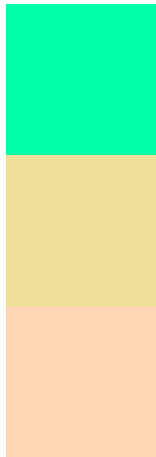


This preview shows how white text looks on a background with the Yxy color 74.3472, 0.2575, 0.4470.

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

74.3472, 0.2575, 0.4470

Protanopia

72.9264, 0.3720, 0.4017

Deuteranopia

72.7305, 0.3671, 0.3621



Tritanopia

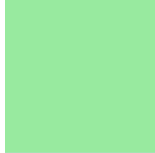
73.7783, 0.2450, 0.3102

Trichromacy



Original Color

74.3472, 0.2575, 0.4470



Protanomaly

68.0242, 0.3039, 0.4251



Deuteranomaly

66.8943, 0.2999, 0.3945



Tritanomaly

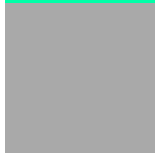
72.4715, 0.2438, 0.3567

Monochromacy



Original Color

74.3472, 0.2575, 0.4470



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

47.3613, 0.2693, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3472, 0.2575, 0.4470 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 74.3472, 0.2575, 0.4470 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, 168) }
```

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

```
.border{ border-color:rgb(0, 255, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
168) }
```

Background

The CSS property to change the background color of an element to Yxy 74.3472, 0.2575, 0.4470 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, 168) }
```

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

```
.background{ background-color: rgb(0, 255,  
168) }
```

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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