

Converting Colors

$Y_{xy}(72.7831, 0.1990, 0.4758)$

Have a look what the booklet for
Yxy(72.7831, 0.1990, 0.4758)
contains.

Yxy(74.3846, 0.2571, 0.4456)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(74.3846, 0.2571, 0.4456)

Conversions

Conversions Part 1

Format	Color
Hex	00FFA9
RGB	0, 255, 169
RGB Percent	0%, 100%, 66%
CMY	1.0000, 0.0000, 0.3373
CMYK	1.00, 0.00, 0.34, 0.00
HSL	160°, 100%, 50%
HSV	160°, 100%, 100%
XYZ	42.9180, 74.3846, 49.6287
YIQ	168.9510, -124.3740, -80.8060

Conversions

Conversions Part 2

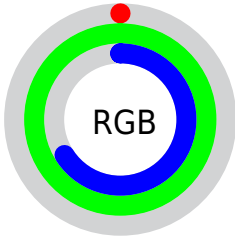
Format	Color
RYB	0, 153, 255
Decimal	65449
CIELab	89.10, -69.44, 27.30
CIELCh	89, 74.614, 158.541
Yxy	74.3846, 0.2571, 0.4456
Android (android.graphics.Color)	4278255529 (0xFF00FFA9)
YUV	168.9510, 0.0242, -148.1700
Hunter-Lab	86.2465, -62.1061, 26.2554

Details

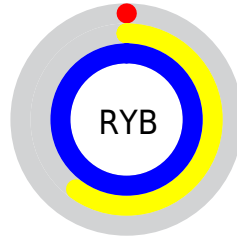
The Yxy color **74.3846, 0.2571, 0.4456** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **21.9319, 0.5675, 0.2900**, and the grayscale version is **39.6961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6692, 0.2558, 0.3649**, and **41.1935, 0.2640, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **74.3844, 0.2571, 0.4456**, and if you desaturate by 10%, it is **74.9313, 0.2551, 0.4328**.

Distribution



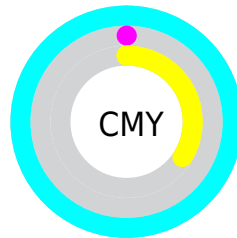
- Red (0%)
- Green (100%)
- Blue (66%)



- 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 74.3846, 0.2571, 0.4456 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 74.3846, 0.2571, 0.4456 by changing the saturation by 10% instead.


 74.3846, 0.2571,
0.4456

 74.3846, 0.2571,
0.4456

475.7997, 0.2846,
0.3878

 55.1089, 0.2504,
0.4597


 125.4409, 0.2670,
0.4248

 39.4889, 0.2419,
0.4776


 157.9902, 0.2707,
0.4169

 27.1403, 0.2308,
0.5010


 195.7328, 0.2739,
0.4102

 17.6786, 0.2158,
0.5327

 239.0532, 0.2767,
0.4045

 10.7195, 0.1946,
0.5777

 288.3357, 0.2790,
0.3995

 5.8785, 0.1629,
0.6451

343.9646, 0.2811,

 2.7714, 0.0905,

0.3951

0.7962

406.3245, 0.2830,
0.3912

■ 1.0136, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.3846, 0.2571,
0.4456

■ 74.3846, 0.2571,
0.4456


■ 74.3844, 0.2571,
0.4456

■ 74.9313, 0.2551,
0.4328


■ 75.7774, 0.2548,
0.4197


■ 77.0080, 0.2566,
0.4065


■ 78.6756, 0.2604,
0.3935

 80.8239, 0.2661,
0.3809

 83.4914, 0.2734,
0.3688

 86.7125, 0.2821,
0.3575

 90.5186, 0.2917,
0.3471

 94.9388, 0.3020,
0.3376

Harmonies

Analogous

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



74.3846, 0.3390, 0.4936



74.3846, 0.2571, 0.4456



74.3846, 0.1951, 0.3498

Triad

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



74.3846, 0.2571, 0.4456



74.3846, 0.2021, 0.1978



74.3846, 0.4857, 0.3553

Complementary

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



74.3846, 0.2571, 0.4456



21.9319, 0.5675, 0.2900

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.



74.3846, 0.4402, 0.2945



74.3846, 0.2571, 0.4456



74.3846, 0.2660, 0.2088

Square

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



74.3846, 0.2571, 0.4456



74.3846, 0.1689, 0.2141



74.3846, 0.3542, 0.2429



74.3846, 0.4743, 0.4187

Rectangle

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



74.3846, 0.2571, 0.4456



74.3846, 0.1718, 0.2889



74.3846, 0.3542, 0.2429



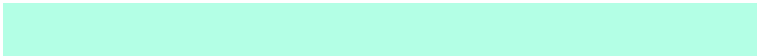
74.3846, 0.4768, 0.3345

Sweetspot

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



74.3844, 0.2571, 0.4456



86.7125, 0.2821, 0.3575



73.6562, 0.3175, 0.5861



18.2545, 0.2783, 0.3622



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.



74.3844, 0.2571, 0.4456



56.7169, 0.2110, 0.2796



20.3712, 0.3025, 0.3371



38.8965, 0.2565, 0.4435



3.8076, 0.2524, 0.4288

Inverse Universe

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



21.9319, 0.5675, 0.2900



22.6623, 0.6282, 0.3394



18.0882, 0.3241, 0.3210



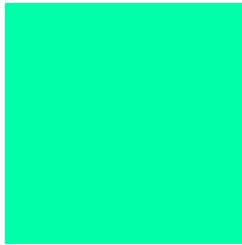
11.4847, 0.5632, 0.2876



1.1376, 0.5314, 0.2701

Previews

White Background



This preview shows how the Yxy color 74.3846, 0.2571, 0.4456 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 74.3846, 0.2571, 0.4456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

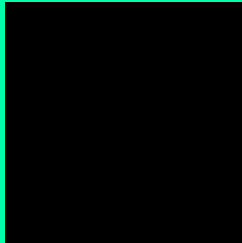
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.3846, 0.2571, 0.4456

Background



This preview shows how black text looks on a background with the Yxy color 74.3846, 0.2571, 0.4456.

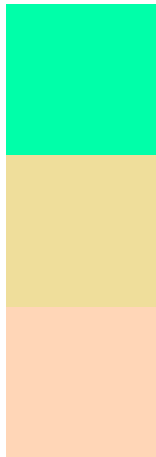


This preview shows how white text looks on a background with the Yxy color 74.3846, 0.2571, 0.4456.

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

74.3846, 0.2571, 0.4456

Protanopia

72.9598, 0.3714, 0.4006

Deuteranopia

72.7720, 0.3663, 0.3610



Tritanopia

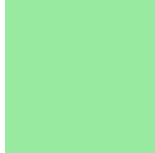
73.7783, 0.2450, 0.3102

Trichromacy



Original Color

74.3846, 0.2571, 0.4456



Protanomaly

68.0591, 0.3033, 0.4238



Deuteranomaly

66.9344, 0.2993, 0.3932



Tritanomaly

72.5256, 0.2434, 0.3553

Monochromacy



Original Color

74.3846, 0.2571, 0.4456



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 74.3846, 0.2571, 0.4456 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 169) }
```

Border

The CSS property to change the border of an element to Yxy 74.3846, 0.2571, 0.4456 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, 169) }
```

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

```
.border{ border-color:rgb(0, 255, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
169) }
```

Background

The CSS property to change the background color of an element to Yxy 74.3846, 0.2571, 0.4456 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, 169) }
```

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

```
.background{ background-color: rgb(0, 255,  
169) }
```

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