

# Converting Colors

Yxy(67.6265, 0.2013, 0.4248)

Have a look what the booklet for  
Yxy(67.6265, 0.2013, 0.4248)  
contains.

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# Color

**Yxy(73.9247, 0.2485, 0.4146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FDBD
RGB	0, 253, 189
RGB Percent	0%, 99%, 74%
CMY	1.0000, 0.0078, 0.2589
CMYK	1.00, 0.00, 0.25, 0.01
HSL	165°, 100%, 50%
HSV	165°, 100%, 99%
XYZ	44.3085, 73.9247, 60.0705
YIQ	170.0570, -130.2440, -73.5400

# Conversions

## Conversions Part 2

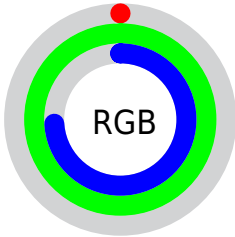
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 145, 253
Decimal	64957
CIELab	88.89, -64.41, 16.81
CIELCh	89, 66.564, 165.375
Yxy	73.9247, 0.2485, 0.4146
Android (android.graphics.Color)	4278255037 (0xFF00FDBD)
YUV	170.0570, 9.3389, -149.1400
Hunter-Lab	85.9795, -58.4763, 18.7620

# Details

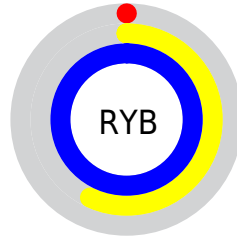
The Yxy color **73.9247, 0.2485, 0.4146** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **21.2541, 0.5965, 0.3060**, and the grayscale version is **40.2305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8256, 0.2474, 0.3405**, and **40.8078, 0.2531, 0.4310** is the 20% darker color. If you saturate the color by 10%, you get **73.9281, 0.2485, 0.4146**, and if you desaturate by 10%, it is **74.4228, 0.2473, 0.4052**.

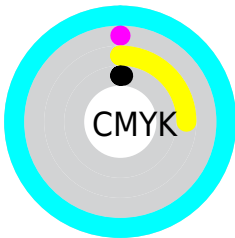
# Distribution



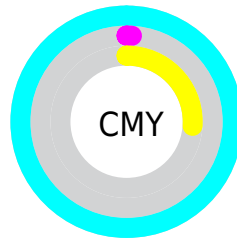
- Red (0%)
- Green (99%)
- Blue (74%)



- Red (0%)
- Yellow (57%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9247, 0.2485, 0.4146 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 73.9247, 0.2485, 0.4146 by changing the saturation by 10% instead.





 73.9247, 0.2485,  
0.4146


 73.9247, 0.2485,  
0.4146


474.2134, 0.2790,  
0.3729


 54.7324, 0.2414,  
0.4246

 124.7891, 0.2592,  
0.3997


 39.1875, 0.2325,  
0.4373


 157.2299, 0.2633,  
0.3941


 26.9056, 0.2212,  
0.4537


 194.8558, 0.2669,  
0.3892

 17.5024, 0.2062,  
0.4758

 238.0510, 0.2700,  
0.3851

 10.5933, 0.1858,  
0.5071

 287.1999, 0.2726,  
0.3814

 5.7941, 0.1564,  
0.5542


342.6871, 0.2750,


 2.7203, 0.0978,


0.3782


0.6410


404.8968, 0.2771,  
0.3754

 0.9875, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.9247, 0.2485,  
0.4146


 73.9247, 0.2485,  
0.4146

 73.9281, 0.2485,  
0.4146


 74.4228, 0.2473,  
0.4052


 75.2023, 0.2478,  
0.3956


 76.3505, 0.2503,  
0.3860


 77.9184, 0.2548,  
0.3765

 79.9487, 0.2612,  
0.3673

 82.4790, 0.2693,  
0.3585

 85.5428, 0.2788,  
0.3502

 89.1708, 0.2894,  
0.3425

 93.3912, 0.3008,  
0.3354

# Harmonies

## Analogous

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



73.9247, 0.3208, 0.4704



73.9247, 0.2485, 0.4146



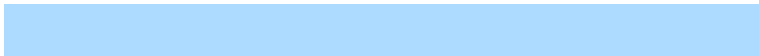
73.9247, 0.1975, 0.3289

# Triad

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



73.9247, 0.2485, 0.4146



73.9247, 0.2233, 0.2094



73.9247, 0.4704, 0.3684

# Complementary

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



73.9247, 0.2485, 0.4146



21.2541, 0.5965, 0.3060

# 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.



73.9247, 0.4402, 0.3110



73.9247, 0.2485, 0.4146



73.9247, 0.2879, 0.2246

# Square

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



73.9247, 0.2485, 0.4146



73.9247, 0.1859, 0.2191



73.9247, 0.3692, 0.2605



73.9247, 0.4511, 0.4253



# Rectangle

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



73.9247, 0.2485, 0.4146



73.9247, 0.1803, 0.2784



73.9247, 0.3692, 0.2605



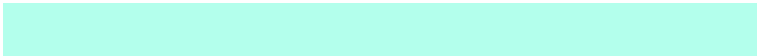
73.9247, 0.4660, 0.3489

# Sweetspot

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



73.9281, 0.2485, 0.4146



87.0797, 0.2788, 0.3502



71.4643, 0.3103, 0.5918



18.3425, 0.2747, 0.3537



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.



73.9281, 0.2485, 0.4146



75.2587, 0.2485, 0.4146



45.6630, 0.2029, 0.2502



20.3983, 0.3014, 0.3351



39.3496, 0.2481, 0.4131



3.8489, 0.2451, 0.4022



# Inverse Universe

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



21.2541, 0.5965, 0.3060



21.6361, 0.5966, 0.3060



24.0153, 0.6142, 0.3505



18.0625, 0.3254, 0.3230



11.3254, 0.5926, 0.3038

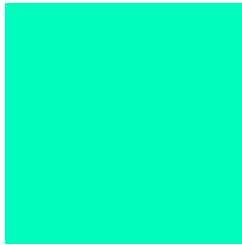


1.1194, 0.5611, 0.2865



# Previews

## White Background



This preview shows how the Yxy color 73.9247, 0.2485, 0.4146 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

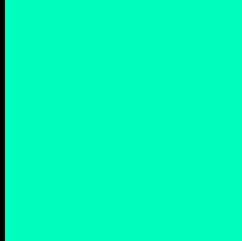
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9247, 0.2485, 0.4146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

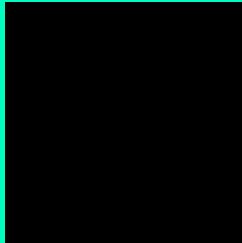
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

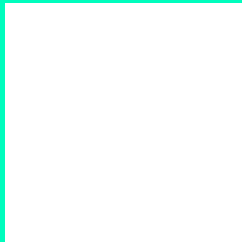
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.9247, 0.2485, 0.4146**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.9247, 0.2485, 0.4146.

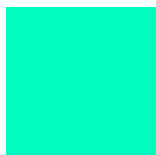


This preview shows how white text looks on a background with the Yxy color 73.9247, 0.2485, 0.4146.

# Color Blindness Simulation

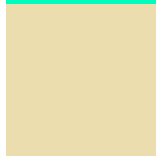
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



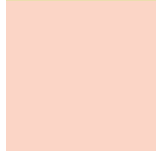
### Original Color

73.9247, 0.2485, 0.4146



### Protanopia

72.4311, 0.3554, 0.3799



### Deuteranopia

72.1749, 0.3523, 0.3447



## Tritanopia

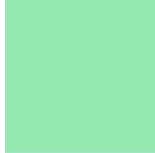
73.4650, 0.2434, 0.3101

# Trichromacy



## Original Color

73.9247, 0.2485, 0.4146



## Protanomaly

68.0165, 0.2915, 0.3977



## Deuteranomaly

66.9005, 0.2881, 0.3700



## Tritanomaly

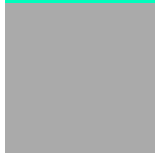
72.2202, 0.2397, 0.3451

# Monochromacy



## Original Color

73.9247, 0.2485, 0.4146



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

47.6710, 0.2646, 0.3628

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9247, 0.2485, 0.4146 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, 253, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 253, 189)  
}
```

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, 253, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 253, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9247, 0.2485, 0.4146 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, 253, 189) }
```

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

```
.border{ border-color:rgb(0, 253, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 253, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 253, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 253, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 253,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9247, 0.2485, 0.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 253, 189) }
```

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

```
.background{ background-color: rgb(0, 253,  
189) }
```

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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