

# Converting Colors

$Y_{xy}(73.4866, 0.2233, 0.3238)$

Have a look what the booklet for  
Yxy(73.4866, 0.2233, 0.3238)  
contains.

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# Color

**Yxy(73.4866, 0.2233, 0.3238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F7FB
RGB	0, 247, 251
RGB Percent	0%, 97%, 98%
CMY	0.9981, 0.0314, 0.0157
CMYK	1.00, 0.02, 0.00, 0.02
HSL	181°, 100%, 49%
HSV	181°, 100%, 98%
XYZ	50.6781, 73.4866, 102.7859
YIQ	173.6030, -148.4960, -51.1200

# Conversions

## Conversions Part 2

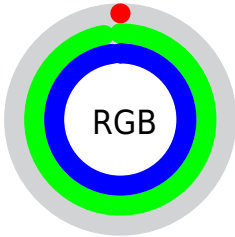
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 124, 251
Decimal	63483
CIELab	88.68, -45.76, -15.71
CIELCh	89, 48.383, 198.952
Yxy	73.4866, 0.2233, 0.3238
Android (android.graphics.Color)	4278253563 (0xFF00F7FB)
YUV	173.6030, 38.1567, -152.2498
Hunter-Lab	85.7243, -44.4929, -11.0834

# Details

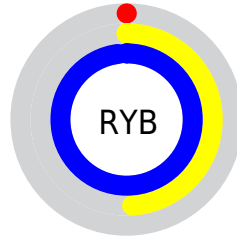
The Yxy color **73.4866, 0.2233, 0.3238** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.6095, 0.6390, 0.3306**, and the grayscale version is **42.0491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **40.7670, 0.2225, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **73.4815, 0.2233, 0.3238**, and if you desaturate by 10%, it is **73.9464, 0.2246, 0.3243**.

# Distribution



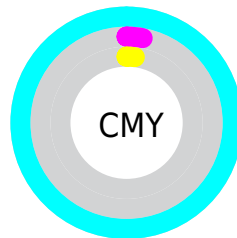
- Red (0%)
- Green (97%)
- Blue (98%)



- Red (0%)
- Yellow (49%)
- Blue (98%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)




- Cyan (100%)
- Magenta (3%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4866, 0.2233, 0.3238 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 73.4866, 0.2233, 0.3238 by changing the saturation by 10% instead.





 73.4866, 0.2233,  
0.3238


 73.4866, 0.2233,  
0.3238

472.6996, 0.2632,  
0.3276


 54.3739, 0.2146,  
0.3226


 124.1678, 0.2368,  
0.3254


 38.9007, 0.2041,  
0.3210


 156.5050, 0.2422,  
0.3259

 26.6825, 0.1912,  
0.3187


 194.0193, 0.2468,  
0.3264

 17.3349, 0.1750,  
0.3153

 237.0950, 0.2509,  
0.3267

 10.4736, 0.1542,  
0.3099

286.1165, 0.2545,  
0.3270

 5.7141, 0.1268,  
0.3011

341.4681, 0.2577,

 2.6720, 0.0905,

0.3272

0.2849

403.5344, 0.2606,  
0.3274

■ 0.9630, 0.0000,  
0.2635

■ 0.0000, 0.0000,  
0.0000

■ 73.4866, 0.2233,  
0.3238

■ 73.4866, 0.2233,  
0.3238

■ 73.4815, 0.2233,  
0.3238

■ 73.9464, 0.2246,  
0.3243

■ 74.6744, 0.2274,  
0.3248

■ 75.7536, 0.2320,  
0.3254

■ 77.2336, 0.2385,  
0.3259

■ 79.1563, 0.2470,  
0.3265

■ 81.5580, 0.2574,  
0.3270

■ 84.4717, 0.2695,  
0.3276

■ 87.9270, 0.2829,  
0.3281

■ 91.9515, 0.2976,  
0.3286

# Harmonies

## Analogous

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



73.4866, 0.2608, 0.3831



73.4866, 0.2233, 0.3238



73.4866, 0.2089, 0.2736

# Triad

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



73.4866, 0.2233, 0.3238



73.4866, 0.3022, 0.2518



73.4866, 0.4130, 0.4088

# Complementary

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



73.4866, 0.2233, 0.3238



20.6095, 0.6390, 0.3306

# 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.



73.4866, 0.4288, 0.3678



73.4866, 0.2233, 0.3238



73.4866, 0.3616, 0.2818

# Square

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



73.4866, 0.2233, 0.3238



73.4866, 0.2509, 0.2382



73.4866, 0.4099, 0.3227



73.4866, 0.3704, 0.4334



# Rectangle

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



73.4866, 0.2233, 0.3238



73.4866, 0.2127, 0.2517



73.4866, 0.4099, 0.3227



73.4866, 0.4218, 0.3963

# Sweetspot

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



73.4893, 0.2233, 0.3238



87.4854, 0.2692, 0.3276



69.0040, 0.3000, 0.5999



18.4395, 0.2639, 0.3273



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.



73.4893, 0.2233, 0.3238



76.1632, 0.2233, 0.3238



21.8256, 0.1764, 0.1550



19.5581, 0.2980, 0.3286



38.6440, 0.2233, 0.3239



3.5939, 0.2235, 0.3245



# Inverse Universe

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



27.2367, 0.3250, 0.1565



28.2199, 0.3250, 0.1564



35.3688, 0.5431, 0.4068



17.5195, 0.3141, 0.3060



14.3120, 0.3250, 0.1564

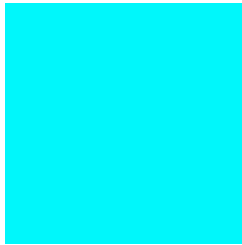


1.3270, 0.3244, 0.1561



# Previews

## White Background



This preview shows how the Yxy color 73.4866, 0.2233, 0.3238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

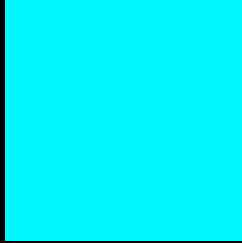
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.4866, 0.2233, 0.3238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

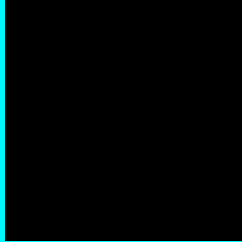
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

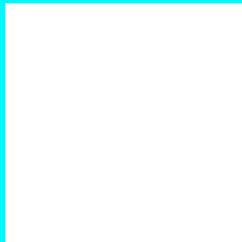
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.4866, 0.2233, 0.3238**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.4866, 0.2233, 0.3238.

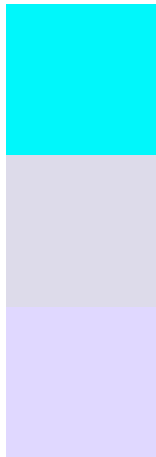


This preview shows how white text looks on a background with the Yxy color 73.4866, 0.2233, 0.3238.

# 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

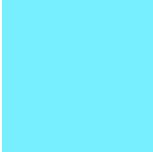
73.4866, 0.2233, 0.3238

### Protanopia

71.9757, 0.3043, 0.3129

### Deuteranopia

72.1790, 0.2932, 0.2885



## **Tritanopia**

72.8749, 0.2404, 0.3100

# Trichromacy



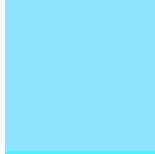
## Original Color

73.4866, 0.2233, 0.3238



## Protanomaly

67.9926, 0.2541, 0.3157



## Deuteranomaly

67.9336, 0.2481, 0.2973



## Tritanomaly

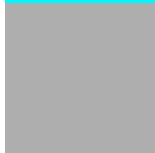
72.1965, 0.2290, 0.3142

# Monochromacy



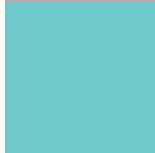
## Original Color

73.4866, 0.2233, 0.3238



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

49.4171, 0.2525, 0.3274

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.4866, 0.2233, 0.3238 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, 247, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 251)  
}
```

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, 247, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4866, 0.2233, 0.3238 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, 247, 251) }
```

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

```
.border{ border-color:rgb(0, 247, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 247, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.4866, 0.2233, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 251) }
```

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

```
.background{ background-color: rgb(0, 247,  
251) }
```

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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