

# Converting Colors

$Yxy(72.5462, 0.2302, 0.3487)$

Have a look what the booklet for  
Yxy(72.5462, 0.2302, 0.3487)  
contains.

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# Color

**Yxy(72.3477, 0.2300, 0.3479)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01F7E8
RGB	1, 247, 232
RGB Percent	0%, 97%, 91%
CMY	0.9977, 0.0314, 0.0902
CMYK	1.00, 0.00, 0.06, 0.03
HSL	176°, 100%, 49%
HSV	176°, 100%, 97%
XYZ	47.8298, 72.3477, 87.7780
YIQ	171.7360, -141.8010, -56.8170

# Conversions

## Conversions Part 2

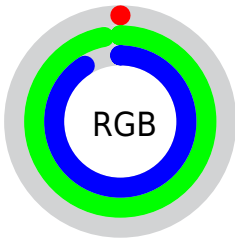
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 128, 247
Decimal	129000
CIELab	88.14, -51.16, -6.60
CIELCh	88, 51.583, 187.346
Yxy	72.3477, 0.2300, 0.3479
Android (android.graphics.Color)	4278319080 (0xFF01F7E8)
YUV	171.7360, 29.7102, -149.7355
Hunter-Lab	85.0575, -48.4759, -1.6462

# Details

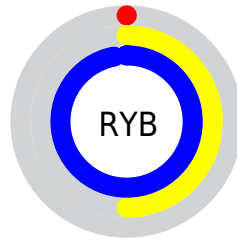
The Yxy color **72.3477, 0.2300, 0.3479** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.8232, 0.6351, 0.3274**, and the grayscale version is **40.9501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **39.9615, 0.2310, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **72.3445, 0.2300, 0.3480**, and if you desaturate by 10%, it is **72.6429, 0.2307, 0.3459**.

# Distribution



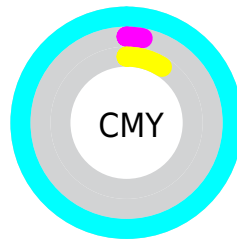
- Red (0%)
- Green (97%)
- Blue (91%)



- Red (0%)
- Yellow (50%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)



- Cyan (100%)
- Magenta (3%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3477, 0.2300, 0.3479 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 72.3477, 0.2300, 0.3479 by changing the saturation by 10% instead.




 72.3477, 0.2300,  
0.3479


 72.3477, 0.2300,  
0.3479


468.7509, 0.2674,  
0.3400

 53.4428, 0.2217,  
0.3495


 122.5507, 0.2428,  
0.3453


 38.1563, 0.2116,  
0.3513


 154.6176, 0.2478,  
0.3443


 26.1041, 0.1990,  
0.3534


 191.8406, 0.2522,  
0.3434

 16.9015, 0.1831,  
0.3559

 234.6041, 0.2560,  
0.3425

 10.1643, 0.1622,  
0.3586

 283.2925, 0.2594,  
0.3418

 5.5080, 0.1341,  
0.3612

338.2901, 0.2624,

 2.5483, 0.0939,

0.3412

0.3628

399.9815, 0.2650,  
0.3406

■ 0.9008, 0.0000,  
0.3713

■ 0.0000, 0.0000,  
0.0000

■ 72.3477, 0.2300,  
0.3479

■ 72.3477, 0.2300,  
0.3479

■ 72.3445, 0.2300,  
0.3480

■ 72.6429, 0.2307,  
0.3459


■ 73.1971, 0.2329,  
0.3438


■ 74.0900, 0.2369,  
0.3418


■ 75.3695, 0.2429,  
0.3397

 77.0756, 0.2508,  
0.3377

 79.2433, 0.2606,  
0.3357

 81.9041, 0.2719,  
0.3339

 85.0866, 0.2847,  
0.3321

 88.8175, 0.2985,  
0.3305

# Harmonies

## Analogous

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



72.3477, 0.2777, 0.4090



72.3477, 0.2300, 0.3479



72.3477, 0.2051, 0.2877

# Triad

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



72.3477, 0.2300, 0.3479



72.3477, 0.2782, 0.2391



72.3477, 0.4305, 0.3977

# Complementary

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



72.3477, 0.2300, 0.3479



19.8232, 0.6351, 0.3274

# 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.



72.3477, 0.4337, 0.3511



72.3477, 0.2300, 0.3479



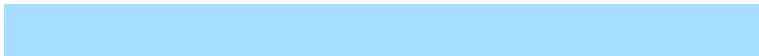
72.3477, 0.3404, 0.2647

# Square

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



72.3477, 0.2300, 0.3479



72.3477, 0.2308, 0.2324



72.3477, 0.3997, 0.3042



72.3477, 0.3941, 0.4334



# Rectangle

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



72.3477, 0.2300, 0.3479



72.3477, 0.2027, 0.2584



72.3477, 0.3997, 0.3042



72.3477, 0.4357, 0.3827

# Sweetspot

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



72.3504, 0.2300, 0.3479



87.9677, 0.2716, 0.3339



66.6417, 0.3011, 0.5990



18.5573, 0.2666, 0.3347



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.



72.3504, 0.2300, 0.3479



77.7796, 0.2300, 0.3480



25.5411, 0.1829, 0.1782



18.7394, 0.2989, 0.3304



38.2687, 0.2299, 0.3476



3.3686, 0.2292, 0.3451



# Inverse Universe

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



19.8232, 0.6351, 0.3274



21.2960, 0.6355, 0.3275



30.3682, 0.5626, 0.3913



16.4989, 0.3284, 0.3276



10.4829, 0.6337, 0.3265

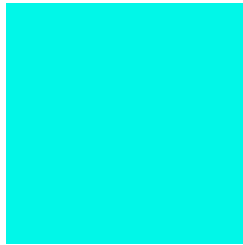


0.9270, 0.6181, 0.3179



# Previews

## White Background



This preview shows how the Yxy color 72.3477, 0.2300, 0.3479 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

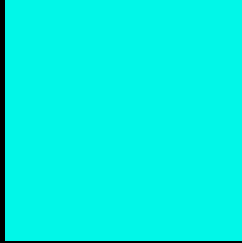
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3477, 0.2300, 0.3479 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

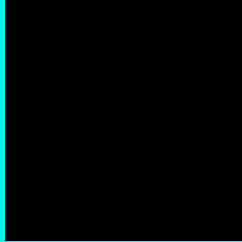
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.3477, 0.2300, 0.3479**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3477, 0.2300, 0.3479.

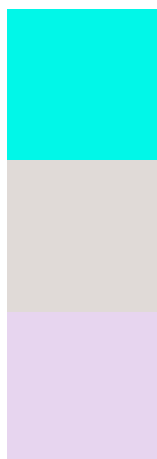


This preview shows how white text looks on a background with the Yxy color 72.3477, 0.2300, 0.3479.

# 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

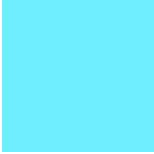
72.3542, 0.2300, 0.3479

### Protanopia

70.8964, 0.3191, 0.3323

### Deuteranopia

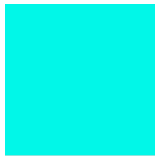
70.8094, 0.3082, 0.3018



## **Tritanopia**

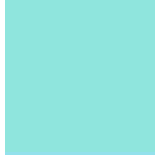
71.7486, 0.2374, 0.3086

# Trichromacy



## Original Color

72.3542, 0.2300, 0.3479



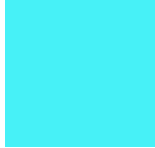
## Protanomaly

67.0987, 0.2645, 0.3387



## Deuteranomaly

66.1096, 0.2583, 0.3156



## Tritanomaly

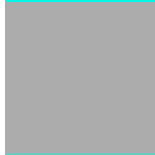
70.9656, 0.2302, 0.3214

# Monochromacy



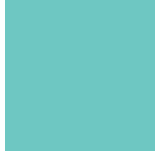
## Original Color

72.3542, 0.2300, 0.3479



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

48.0569, 0.2558, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3477, 0.2300, 0.3479 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(1, 247, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 247, 232)  
}
```

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(1, 247, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 247, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3477, 0.2300, 0.3479 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(1, 247, 232) }
```

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

```
.border{ border-color:rgb(1, 247, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 247, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 247, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 247, 232);  
box-shadow:4px 4px 4px 4px rgb(1, 247,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3477, 0.2300, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 247, 232) }
```

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

```
.background{ background-color: rgb(1, 247,  
232) }
```

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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