

# Converting Colors

$Y_{xy}(71.1406, 0.2284, 0.3422)$

Have a look what the booklet for  
Yxy(71.1406, 0.2284, 0.3422)  
contains.

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# Color

**Yxy(71.2453, 0.2286, 0.3428)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01F5EA
RGB	1, 245, 234
RGB Percent	0%, 96%, 92%
CMY	0.9960, 0.0392, 0.0824
CMYK	1.00, 0.00, 0.04, 0.04
HSL	177°, 99%, 48%
HSV	177°, 100%, 96%
XYZ	47.5107, 71.2453, 89.0774
YIQ	170.7900, -141.8930, -55.1490

# Conversions

## Conversions Part 2

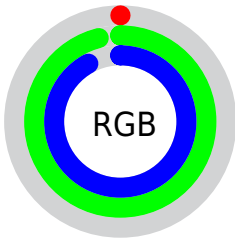
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	1, 126, 245
Decimal	128490
CIE Lab	87.60, -49.75, -8.43
CIE LCh	88, 50.463, 189.612
Yxy	71.2453, 0.2286, 0.3428
Android (android.graphics.Color)	4278318570 (0xFF01F5EA)
YUV	170.7900, 31.1625, -148.9058
Hunter-Lab	84.4069, -47.2386, -3.4858

# Details

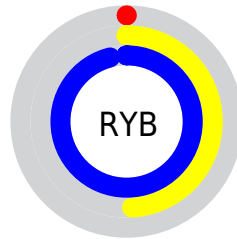
The Yxy color **71.2453, 0.2286, 0.3428** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.4603, 0.6362, 0.3281**, and the grayscale version is **40.5086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **39.1808, 0.2292, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **71.2387, 0.2286, 0.3429**, and if you desaturate by 10%, it is **71.5185, 0.2294, 0.3413**.

# Distribution



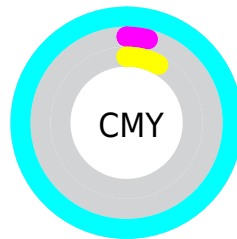
- Red (0%)
- Green (96%)
- Blue (92%)



- Red (0%)
- Yellow (49%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)



- Cyan (100%)
- Magenta (4%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2453, 0.2286, 0.3428 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 71.2453, 0.2286, 0.3428 by changing the saturation by 10% instead.





 71.2453, 0.2286,  
0.3428


 71.2453, 0.2286,  
0.3428

464.9105, 0.2667,  
0.3374

 52.5424, 0.2202,  
0.3438


 120.9829, 0.2416,  
0.3411


 37.4376, 0.2099,  
0.3449


 152.7865, 0.2467,  
0.3404

 25.5465, 0.1971,  
0.3460


 189.7257, 0.2512,  
0.3398

 16.4847, 0.1809,  
0.3471


 232.1849, 0.2551,  
0.3392

 9.8678, 0.1598,  
0.3480

 280.5486, 0.2585,  
0.3387

 5.3114, 0.1314,  
0.3478

335.2012, 0.2615,

 2.4311, 0.0905,

0.3382

0.3450

396.5270, 0.2642,  
0.3378

■ 0.8418, 0.0000,  
0.3429

■ 0.0000, 0.0000,  
0.0000

■ 71.2453, 0.2286,  
0.3428

■ 71.2453, 0.2286,  
0.3428

■ 71.2387, 0.2286,  
0.3429

■ 71.5185, 0.2294,  
0.3413

■ 72.0479, 0.2318,  
0.3398

■ 72.9103, 0.2359,  
0.3383

■ 74.1524, 0.2421,  
0.3368

■ 75.8133, 0.2501,  
0.3353

■ 77.9273, 0.2600,  
0.3339

■ 80.5252, 0.2716,  
0.3325

■ 83.6350, 0.2845,  
0.3312

■ 87.2827, 0.2985,  
0.3301

# Harmonies

## Analogous

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



71.2453, 0.2742, 0.4037



71.2453, 0.2286, 0.3428



71.2453, 0.2059, 0.2847

# Triad

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



71.2453, 0.2286, 0.3428



71.2453, 0.2831, 0.2417



71.2453, 0.4269, 0.4000

# Complementary

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



71.2453, 0.2286, 0.3428



19.4603, 0.6362, 0.3281

# 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.



71.2453, 0.4328, 0.3545



71.2453, 0.2286, 0.3428



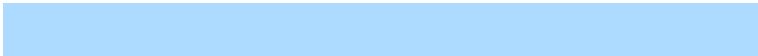
71.2453, 0.3448, 0.2682

# Square

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



71.2453, 0.2286, 0.3428



71.2453, 0.2348, 0.2336



71.2453, 0.4019, 0.3080



71.2453, 0.3892, 0.4335



# Rectangle

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



71.2453, 0.2286, 0.3428



71.2453, 0.2047, 0.2570



71.2453, 0.4019, 0.3080



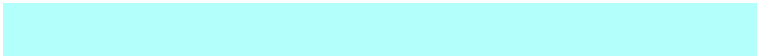
71.2453, 0.4329, 0.3855

# Sweetspot

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



71.2480, 0.2286, 0.3428



88.0439, 0.2710, 0.3326



65.3912, 0.3008, 0.5992



18.5758, 0.2660, 0.3332



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.



71.2480, 0.2286, 0.3428



78.0209, 0.2286, 0.3429



23.9844, 0.1814, 0.1727



18.7441, 0.2987, 0.3300



38.3854, 0.2285, 0.3426



3.3776, 0.2280, 0.3408



# Inverse Universe

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



19.4603, 0.6362, 0.3281



21.2854, 0.6369, 0.3282



30.7410, 0.5573, 0.3954



16.4946, 0.3287, 0.3280



10.4763, 0.6354, 0.3274

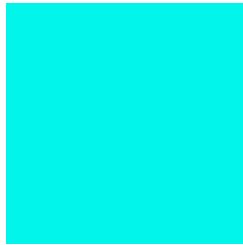


0.9249, 0.6236, 0.3209



# Previews

## White Background



This preview shows how the Yxy color 71.2453, 0.2286, 0.3428 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

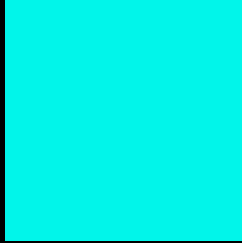
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.2453, 0.2286, 0.3428 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

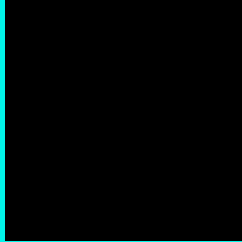
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.2453, 0.2286, 0.3428**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.2453, 0.2286, 0.3428.

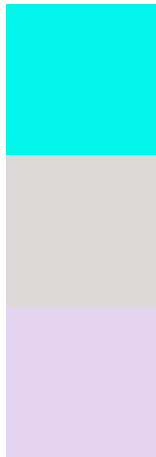


This preview shows how white text looks on a background with the Yxy color 71.2453, 0.2286, 0.3428.

# 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

71.2518, 0.2286, 0.3428

### Protanopia

70.0076, 0.3156, 0.3290

### Deuteranopia

69.9318, 0.3048, 0.2985



## Tritanopia

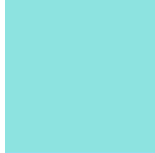
71.0784, 0.2338, 0.3084

# Trichromacy



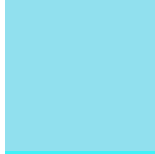
## Original Color

71.2518, 0.2286, 0.3428



## Protanomaly

65.9286, 0.2621, 0.3338



## Deuteranomaly

65.5041, 0.2561, 0.3120



## Tritanomaly

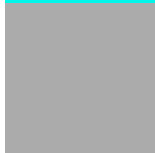
70.7160, 0.2288, 0.3213

# Monochromacy



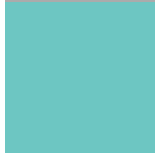
## Original Color

71.2518, 0.2286, 0.3428



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

47.5344, 0.2551, 0.3346

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.2453, 0.2286, 0.3428 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, 245, 234)` looks like.

```
.text, #text, p{  
    color:rgb(1, 245, 234)  
}
```

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, 245, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 245, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 71.2453, 0.2286, 0.3428 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, 245, 234) }
```

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

```
.border{ border-color:rgb(1, 245, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 245, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 245, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 245, 234);  
box-shadow:4px 4px 4px 4px rgb(1, 245,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.2453, 0.2286, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 245, 234) }
```

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

```
.background{ background-color: rgb(1, 245,  
234) }
```

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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