

# Converting Colors

$Y_{xy}(73.6128, 0.2313, 0.3513)$

Have a look what the booklet for  
Yxy(73.6128, 0.2313, 0.3513)  
contains.

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# Color

**Yxy(73.5854, 0.2314, 0.3516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0AF9E7
RGB	10, 249, 231
RGB Percent	4%, 98%, 91%
CMY	0.9600, 0.0235, 0.0940
CMYK	0.96, 0.00, 0.07, 0.02
HSL	175°, 95%, 51%
HSV	175°, 96%, 98%
XYZ	48.4291, 73.5854, 87.2728
YIQ	175.4870, -136.6660, -56.2660

# Conversions

## Conversions Part 2

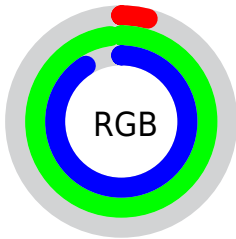
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	10, 134, 249
Decimal	719335
CIE Lab	88.73, -52.05, -5.22
CIE LCh	89, 52.312, 185.726
Yxy	73.5854, 0.2314, 0.3516
Android (android.graphics.Color)	4278909415 (0xFF0AF9E7)
YUV	175.4870, 27.3679, -145.1321
Hunter-Lab	85.7819, -49.3444, -0.2731

# Details

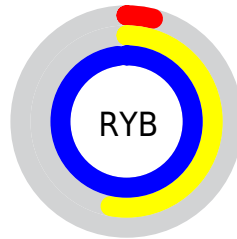
The Yxy color **73.5854, 0.2314, 0.3516** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.4457, 0.6271, 0.3255**, and the grayscale version is **43.0777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **40.8339, 0.2319, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **73.4791, 0.2313, 0.3526**, and if you desaturate by 10%, it is **73.9879, 0.2324, 0.3491**.

# Distribution



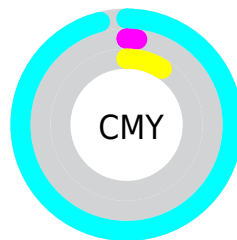
- Red (4%)
- Green (98%)
- Blue (91%)



- Red (4%)
- Yellow (53%)
- Blue (98%)



- Cyan (96%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)




- Cyan (96%)
- Magenta (2%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5854, 0.2314, 0.3516 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 73.5854, 0.2314, 0.3516 by changing the saturation by 10% instead.





 73.5854, 0.2314,  
0.3516


 73.5854, 0.2314,  
0.3516

473.0412, 0.2682,  
0.3419


 54.4548, 0.2233,  
0.3536


 124.3079, 0.2440,  
0.3484


 38.9654, 0.2133,  
0.3560


 156.6686, 0.2489,  
0.3471

 26.7328, 0.2010,  
0.3588


 194.2080, 0.2532,  
0.3460

 17.3726, 0.1853,  
0.3623

 237.3107, 0.2569,  
0.3450

 10.5005, 0.1648,  
0.3664

286.3610, 0.2603,  
0.3441

 5.7321, 0.1372,  
0.3711

341.7432, 0.2632,

 2.6829, 0.0981,

0.3433

0.3759

403.8418, 0.2658,  
0.3426

■ 0.9685, 0.0000,  
0.3937

■ 0.0000, 0.0000,  
0.0000

■ 73.5854, 0.2314,  
0.3516

■ 73.5854, 0.2314,  
0.3516


■ 73.4791, 0.2313,  
0.3526


■ 73.9879, 0.2324,  
0.3491


■ 74.6971, 0.2352,  
0.3465


■ 75.7718, 0.2399,  
0.3439


■ 77.2572, 0.2465,  
0.3414

 79.1921, 0.2551,  
0.3389

 81.6106, 0.2653,  
0.3365

 84.5437, 0.2771,  
0.3342

 88.0197, 0.2902,  
0.3320

 92.0649, 0.3041,  
0.3301

# Harmonies

## Analogous

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



73.5854, 0.2805, 0.4125



73.5854, 0.2314, 0.3516



73.5854, 0.2050, 0.2901

# Triad

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



73.5854, 0.2314, 0.3516



73.5854, 0.2749, 0.2376



73.5854, 0.4325, 0.3958

# Complementary

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



73.5854, 0.2314, 0.3516



20.4457, 0.6271, 0.3255

# 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.



73.5854, 0.4338, 0.3485



73.5854, 0.2314, 0.3516



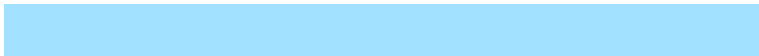
73.5854, 0.3371, 0.2624

# Square

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



73.5854, 0.2314, 0.3516



73.5854, 0.2282, 0.2319



73.5854, 0.3977, 0.3016



73.5854, 0.3973, 0.4328



# Rectangle

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



73.5854, 0.2314, 0.3516



73.5854, 0.2017, 0.2598



73.5854, 0.3977, 0.3016



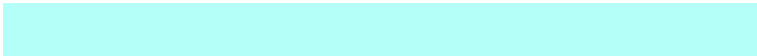
73.5854, 0.4372, 0.3805

# Sweetspot

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



73.5882, 0.2314, 0.3516



88.2165, 0.2733, 0.3349



68.0510, 0.3020, 0.5962



18.6004, 0.2683, 0.3359



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.



73.5882, 0.2314, 0.3516



77.5651, 0.2313, 0.3527



28.5586, 0.1867, 0.1901



19.5847, 0.2990, 0.3308



39.3418, 0.2312, 0.3522



3.6503, 0.2303, 0.3492



# Inverse Universe

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



20.4457, 0.6271, 0.3255



21.3077, 0.6341, 0.3267



31.2491, 0.5591, 0.3912



17.2464, 0.3282, 0.3273



10.8127, 0.6321, 0.3256

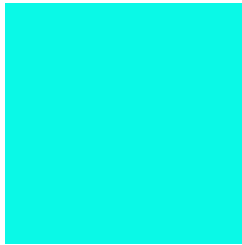


1.0086, 0.6143, 0.3158



# Previews

## White Background



This preview shows how the Yxy color 73.5854, 0.2314, 0.3516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

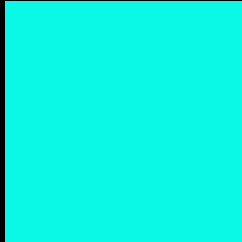
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.5854, 0.2314, 0.3516 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

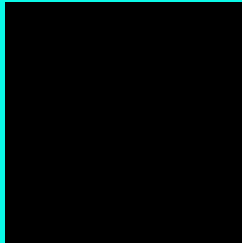
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

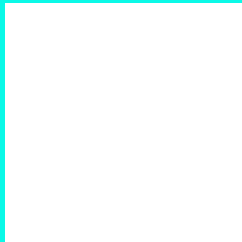
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.5854, 0.2314, 0.3516**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.5854, 0.2314, 0.3516.

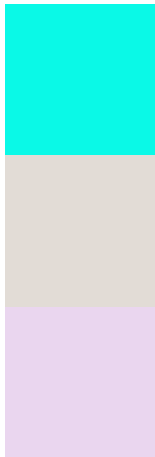


This preview shows how white text looks on a background with the Yxy color 73.5854, 0.2314, 0.3516.

# 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

73.5854, 0.2314, 0.3516

### Protanopia

72.2102, 0.3210, 0.3355

### Deuteranopia

71.8176, 0.3103, 0.3030



## Tritanopia

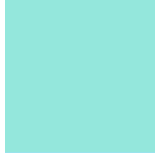
73.0906, 0.2415, 0.3100

# Trichromacy



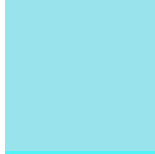
## Original Color

73.5854, 0.2314, 0.3516



## Protanomaly

68.6150, 0.2679, 0.3423



## Deuteranomaly

67.7666, 0.2617, 0.3181



## Tritanomaly

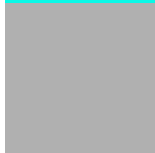
72.5043, 0.2335, 0.3251

# Monochromacy



## Original Color

73.5854, 0.2314, 0.3516



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

50.4104, 0.2588, 0.3386

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5854, 0.2314, 0.3516 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(10, 249, 231)` looks like.

```
.text, #text, p{  
    color:rgb(10, 249, 231)  
}
```

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(10, 249, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 249, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5854, 0.2314, 0.3516 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(10, 249, 231) }
```

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

```
.border{ border-color:rgb(10, 249, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 249, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 249, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 249, 231);  
box-shadow:4px 4px 4px 4px rgb(10, 249,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5854, 0.2314, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 249, 231) }
```

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

```
.background{ background-color: rgb(10, 249,  
231) }
```

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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