

# Converting Colors

$Y_{xy}(73.5114, 0.2312, 0.3522)$

Have a look what the booklet for  
Yxy(73.5114, 0.2312, 0.3522)  
contains.

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# Color

**Yxy(73.5273, 0.2311, 0.3517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02F9E7
RGB	2, 249, 231
RGB Percent	1%, 98%, 91%
CMY	0.9932, 0.0235, 0.0942
CMYK	0.99, 0.00, 0.07, 0.02
HSL	176°, 99%, 49%
HSV	176°, 99%, 98%
XYZ	48.3144, 73.5273, 87.2209
YIQ	173.0950, -141.4340, -57.9620

# Conversions

## Conversions Part 2

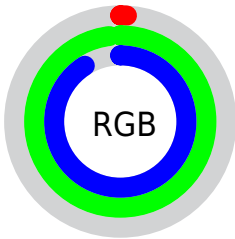
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	2, 130, 249
Decimal	195047
CIE Lab	88.70, -52.25, -5.23
CIE LCh	89, 52.509, 185.716
Yxy	73.5273, 0.2311, 0.3517
Android (android.graphics.Color)	4278385127 (0xFF02F9E7)
YUV	173.0950, 28.5472, -150.0503
Hunter-Lab	85.7481, -49.4841, -0.2847

# Details

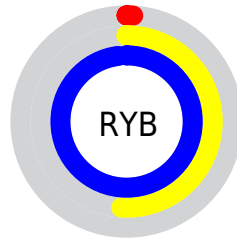
The Yxy color **73.5273, 0.2311, 0.3517** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.2273, 0.6332, 0.3266**, and the grayscale version is **41.7027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **40.8339, 0.2319, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **73.5116, 0.2311, 0.3519**, and if you desaturate by 10%, it is **73.8502, 0.2317, 0.3493**.

# Distribution



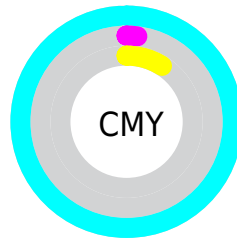
- Red (1%)
- Green (98%)
- Blue (91%)



- Red (1%)
- Yellow (51%)
- Blue (98%)



- Cyan (99%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)




- Cyan (99%)
- Magenta (2%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5273, 0.2311, 0.3517 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 73.5273, 0.2311, 0.3517 by changing the saturation by 10% instead.





 73.5273, 0.2311,  
0.3517

 73.5273, 0.2311,  
0.3517


472.8403, 0.2680,  
0.3420


 54.4072, 0.2229,  
0.3537

 124.2255, 0.2437,  
0.3485


 38.9273, 0.2130,  
0.3561


 156.5724, 0.2487,  
0.3472

 26.7032, 0.2006,  
0.3590


 194.0971, 0.2530,  
0.3460

 17.3504, 0.1849,  
0.3624

 237.1839, 0.2567,  
0.3450

 10.4847, 0.1643,  
0.3665

 286.2172, 0.2601,  
0.3441

 5.7215, 0.1366,  
0.3712

341.5815, 0.2630,

 2.6765, 0.0973,

0.3433

0.3761

403.6610, 0.2656,  
0.3426

■ 0.9653, 0.0000,  
0.3935

■ 0.0000, 0.0000,  
0.0000

■ 73.5273, 0.2311,  
0.3517

■ 73.5273, 0.2311,  
0.3517


■ 73.5116, 0.2311,  
0.3519

■ 73.8502, 0.2317,  
0.3493


■ 74.4442, 0.2339,  
0.3468


■ 75.3863, 0.2379,  
0.3443


■ 76.7245, 0.2439,  
0.3418

 78.4996, 0.2518,  
0.3394

 80.7470, 0.2616,  
0.3370

 83.4988, 0.2729,  
0.3348

 86.7840, 0.2856,  
0.3326

 90.6296, 0.2993,  
0.3307

# Harmonies

## Analogous

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



73.5273, 0.2804, 0.4129



73.5273, 0.2311, 0.3517



73.5273, 0.2046, 0.2900

# Triad

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



73.5273, 0.2311, 0.3517



73.5273, 0.2747, 0.2373



73.5273, 0.4330, 0.3959

# Complementary

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



73.5273, 0.2311, 0.3517



20.2273, 0.6332, 0.3266

# 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.



73.5273, 0.4343, 0.3485



73.5273, 0.2311, 0.3517



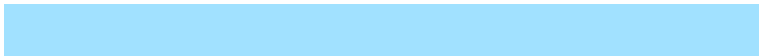
73.5273, 0.3372, 0.2622

# Square

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



73.5273, 0.2311, 0.3517



73.5273, 0.2278, 0.2316



73.5273, 0.3980, 0.3015



73.5273, 0.3976, 0.4332



# Rectangle

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



73.5273, 0.2311, 0.3517



73.5273, 0.2013, 0.2595



73.5273, 0.3980, 0.3015



73.5273, 0.4377, 0.3806

# Sweetspot

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



73.5301, 0.2311, 0.3517



87.9101, 0.2720, 0.3349



67.9296, 0.3015, 0.5984



18.5433, 0.2671, 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.



73.5301, 0.2311, 0.3517



77.5995, 0.2311, 0.3519



27.4016, 0.1848, 0.1848



19.5855, 0.2990, 0.3307



39.3589, 0.2310, 0.3515



3.6517, 0.2302, 0.3485



# Inverse Universe

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



20.2273, 0.6332, 0.3266



21.3057, 0.6344, 0.3268



30.1995, 0.5665, 0.3879



17.2457, 0.3283, 0.3273



10.8116, 0.6324, 0.3258

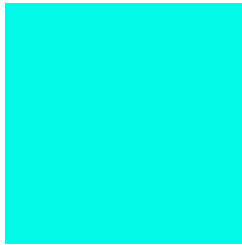


1.0082, 0.6150, 0.3162



# Previews

## White Background



This preview shows how the Yxy color 73.5273, 0.2311, 0.3517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

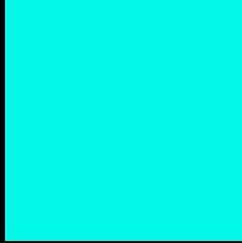
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.5273, 0.2311, 0.3517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

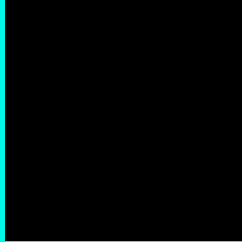
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.5273, 0.2311, 0.3517**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.5273, 0.2311, 0.3517.

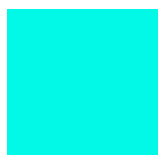


This preview shows how white text looks on a background with the Yxy color 73.5273, 0.2311, 0.3517.

# Color Blindness Simulation

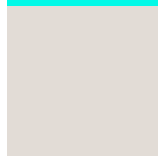
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



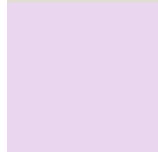
### Original Color

73.5338, 0.2311, 0.3517



### Protanopia

72.2102, 0.3210, 0.3355



### Deuteranopia

71.8176, 0.3103, 0.3030



## Tritanopia

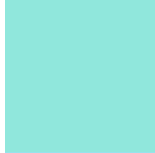
73.0180, 0.2412, 0.3100

# Trichromacy



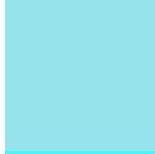
## Original Color

73.5338, 0.2311, 0.3517



## Protanomaly

68.2484, 0.2659, 0.3424



## Deuteranomaly

67.4783, 0.2601, 0.3181



## Tritanomaly

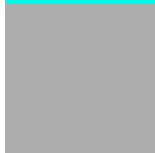
72.3747, 0.2328, 0.3251

# Monochromacy



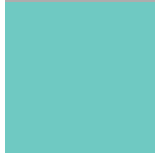
## Original Color

73.5338, 0.2311, 0.3517



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

49.0478, 0.2568, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  73.5273, 0.2311, 0.3517 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(2, 249, 231)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 249, 231) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 73.5273, 0.2311, 0.3517 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(2, 249, 231) }
```

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

```
.border{ border-color:rgb(2, 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(2, 249, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 249, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 249, 231);  
box-shadow:4px 4px 4px 4px rgb(2, 249,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5273, 0.2311, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 249, 231) }
```

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

```
.background{ background-color: rgb(2, 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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