

# Converting Colors

$Y_{xy}(74.6298, 0.2324, 0.3539)$

Have a look what the booklet for  
Yxy(74.6298, 0.2324, 0.3539)  
contains.

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# Color

**Yxy(74.8925, 0.2325, 0.3541)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13FBE7
RGB	19, 251, 231
RGB Percent	7%, 98%, 91%
CMY	0.9270, 0.0157, 0.0943
CMYK	0.93, 0.00, 0.08, 0.02
HSL	175°, 97%, 53%
HSV	175°, 93%, 98%
XYZ	49.1740, 74.8925, 87.4345
YIQ	179.3520, -131.8520, -55.4040

# Conversions

## Conversions Part 2

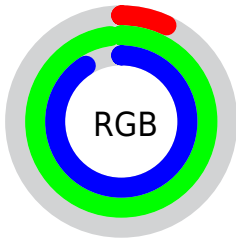
<b>Format</b>	<b>Color</b>
<b>RYB</b>	19, 140, 251
Decimal	1309671
CIELab	89.34, -52.67, -4.27
CIELCh	89, 52.844, 184.636
Yxy	74.8925, 0.2325, 0.3541
Android (android.graphics.Color)	4279499751 (0xFF13FBE7)
YUV	179.3520, 25.4625, -140.6287
Hunter-Lab	86.5405, -50.0186, 0.6758

# Details

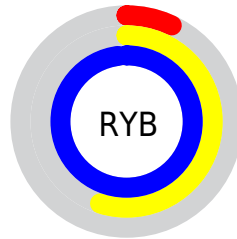
The Yxy color **74.8925, 0.2325, 0.3541** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.1063, 0.6181, 0.3232**, and the grayscale version is **45.1246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **41.2745, 0.2323, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **74.6703, 0.2323, 0.3563**, and if you desaturate by 10%, it is **75.4131, 0.2340, 0.3512**.

# Distribution



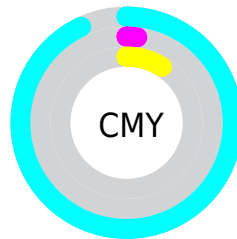
- Red (7%)
- Green (98%)
- Blue (91%)



- Red (7%)
- Yellow (55%)
- Blue (98%)



- Cyan (93%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)




- Cyan (93%)
- Magenta (2%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8925, 0.2325, 0.3541 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 74.8925, 0.2325, 0.3541 by changing the saturation by 10% instead.




 74.8925, 0.2325,  
0.3541


 74.8925, 0.2325,  
0.3541


477.5480, 0.2687,  
0.3432


 55.5248, 0.2245,  
0.3564


 126.1602, 0.2449,  
0.3505


 39.8221, 0.2147,  
0.3592


 158.8290, 0.2497,  
0.3490

 27.3998, 0.2026,  
0.3625


 196.7003, 0.2540,  
0.3477

 17.8737, 0.1872,  
0.3665

 240.1585, 0.2577,  
0.3466

 10.8594, 0.1671,  
0.3716

289.5879, 0.2609,  
0.3456

 5.9724, 0.1399,  
0.3777

345.3731, 0.2638,

 2.8283, 0.1020,

0.3447

0.3847

407.8983, 0.2664,  
0.3439

■ 1.0428, 0.0000,  
0.4098

■ 0.0000, 0.0000,  
0.0000

■ 74.8925, 0.2325,  
0.3541

■ 74.8925, 0.2325,  
0.3541

■ 74.6703, 0.2323,  
0.3563

■ 75.4131, 0.2340,  
0.3512

■ 76.2670, 0.2373,  
0.3482

■ 77.5100, 0.2425,  
0.3452

■ 79.1856, 0.2498,  
0.3423

81.3316, 0.2588,  
0.3394

83.9816, 0.2695,  
0.3367

87.1662, 0.2817,  
0.3341

90.9137, 0.2949,  
0.3317

95.2500, 0.3090,  
0.3295

# Harmonies

## Analogous

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



74.8925, 0.2824, 0.4147



74.8925, 0.2325, 0.3541



74.8925, 0.2051, 0.2919

# Triad

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



74.8925, 0.2325, 0.3541



74.8925, 0.2726, 0.2367



74.8925, 0.4337, 0.3943

# Complementary

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



74.8925, 0.2325, 0.3541



21.1063, 0.6181, 0.3232

# 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.



74.8925, 0.4337, 0.3468



74.8925, 0.2325, 0.3541



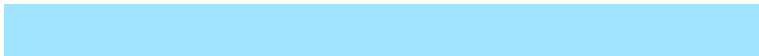
74.8925, 0.3348, 0.2610

# Square

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



74.8925, 0.2325, 0.3541



74.8925, 0.2266, 0.2318



74.8925, 0.3961, 0.2999



74.8925, 0.3993, 0.4322



# Rectangle

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



74.8925, 0.2325, 0.3541



74.8925, 0.2011, 0.2609



74.8925, 0.3961, 0.2999



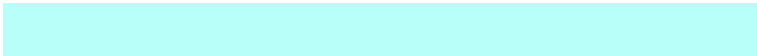
74.8925, 0.4380, 0.3789

# Sweetspot

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



74.8953, 0.2325, 0.3541



88.4908, 0.2749, 0.3355



69.5284, 0.3033, 0.5931



18.6492, 0.2698, 0.3366



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.



74.8953, 0.2325, 0.3541



77.4038, 0.2323, 0.3563



31.5701, 0.1902, 0.2007



19.5813, 0.2992, 0.3310



39.2613, 0.2322, 0.3558



3.6436, 0.2312, 0.3523



# Inverse Universe

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



21.1063, 0.6181, 0.3232



21.3179, 0.6328, 0.3260



32.0493, 0.5561, 0.3905



17.2495, 0.3280, 0.3270



10.8187, 0.6307, 0.3248

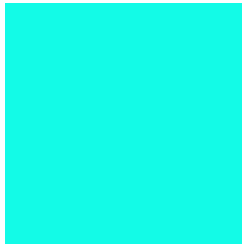


1.0100, 0.6107, 0.3138



# Previews

## White Background



This preview shows how the Yxy color 74.8925, 0.2325, 0.3541 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

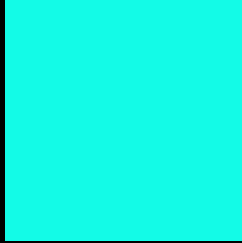
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.8925, 0.2325, 0.3541 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

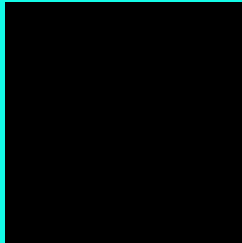
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

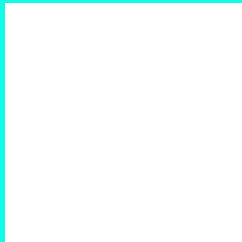
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.8925, 0.2325, 0.3541**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8925, 0.2325, 0.3541.

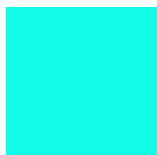


This preview shows how white text looks on a background with the Yxy color 74.8925, 0.2325, 0.3541.

# Color Blindness Simulation

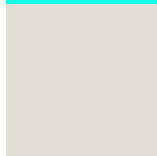
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



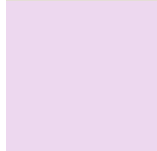
### Original Color

74.9023, 0.2325, 0.3541



### Protanopia

73.0619, 0.3224, 0.3366



### Deuteranopia

73.3483, 0.3124, 0.3053



## Tritanopia

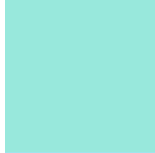
74.4457, 0.2457, 0.3114

# Trichromacy



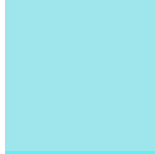
## Original Color

74.9023, 0.2325, 0.3541



## Protanomaly

69.5559, 0.2702, 0.3434



## Deuteranomaly

69.3639, 0.2647, 0.3206



## Tritanomaly

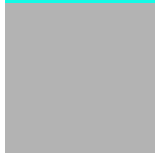
73.5793, 0.2364, 0.3264

# Monochromacy



## Original Color

74.9023, 0.2325, 0.3541



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

51.8048, 0.2608, 0.3385

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8925, 0.2325, 0.3541 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(19, 251, 231)` looks like.

```
.text, #text, p{  
    color:rgb(19, 251, 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(19, 251, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 251, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8925, 0.2325, 0.3541 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(19, 251, 231) }
```

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

```
.border{ border-color:rgb(19, 251, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 251, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 251, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 251, 231);  
box-shadow:4px 4px 4px 4px rgb(19, 251,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8925, 0.2325, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 251, 231) }
```

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

```
.background{ background-color: rgb(19, 251,  
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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