

# Converting Colors

$Y_{xy}(74.1337, 0.2426, 0.3640)$

Have a look what the booklet for  
Yxy(74.1337, 0.2426, 0.3640)  
contains.

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# Color

**Yxy(74.2739, 0.2426, 0.3643)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46F9DD
RGB	70, 249, 221
RGB Percent	27%, 98%, 87%
CMY	0.7249, 0.0236, 0.1333
CMYK	0.72, 0.00, 0.11, 0.02
HSL	171°, 94%, 63%
HSV	171°, 72%, 98%
XYZ	49.4616, 74.2739, 80.1457
YIQ	192.2870, -97.6960, -46.6560

# Conversions

## Conversions Part 2

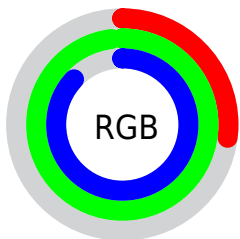
Format	Color
<a href="#">RYB</a>	<a href="#">70, 167, 249</a>
Decimal	<a href="#">4651485</a>
CIELab	<a href="#">89.05, -50.64, 0.54</a>
CIELCh	<a href="#">89, 50.639, 179.385</a>
Yxy	<a href="#">74.2739, 0.2426, 0.3643</a>
Android (android.graphics.Color)	<a href="#">4282841565</a> ( <a href="#">0xFF46F9DD</a> )
YUV	<a href="#">192.2870, 14.1555, -107.2457</a>
Hunter-Lab	<a href="#">86.1823, -48.3747, 5.1906</a>

# Details

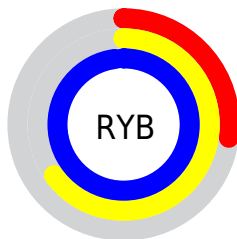
The Yxy color **74.2739, 0.2426, 0.3643** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.4219, 0.5232, 0.3059**, and the grayscale version is **52.8732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **40.4524, 0.2367, 0.3721** is the 20% darker color. If you saturate the color by 10%, you get **73.3274, 0.2397, 0.3699**, and if you desaturate by 10%, it is **75.6147, 0.2475, 0.3587**.

# Distribution



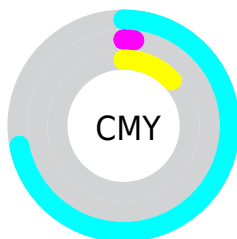
- Red (27%)
- Green (98%)
- Blue (87%)



- Red (27%)
- Yellow (65%)
- Blue (98%)



- Cyan (72%)
- Magenta (0%)
- Yellow (11%)
- Black (2%)




- Cyan (72%)
- Magenta (2%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2739, 0.2426, 0.3643 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 74.2739, 0.2426, 0.3643 by changing the saturation by 10% instead.




 74.2739, 0.2426,  
0.3643

 74.2739, 0.2426,  
0.3643


475.4182, 0.2746,  
0.3481


 55.0182, 0.2354,  
0.3679


 125.2840, 0.2536,  
0.3587

 39.4163, 0.2266,  
0.3724


 157.8072, 0.2579,  
0.3566

 27.0838, 0.2156,  
0.3780


 195.5218, 0.2617,  
0.3547

 17.6361, 0.2014,  
0.3852

 238.8121, 0.2649,  
0.3530

 10.6891, 0.1826,  
0.3948

288.0624, 0.2678,  
0.3516

 5.8582, 0.1567,  
0.4081

343.6573, 0.2703,

 2.7590, 0.1191,

0.3503

0.4277

405.9811, 0.2726,  
0.3492

■ 1.0073, 0.0000,  
0.4882

■ 0.0000, 0.0000,  
0.0000

■ 74.2739, 0.2426,  
0.3643

■ 74.2739, 0.2426,  
0.3643

■ 73.3274, 0.2397,  
0.3699

■ 75.6147, 0.2475,  
0.3587


■ 72.7158, 0.2386,  
0.3755


■ 77.3835, 0.2544,  
0.3532


■ 72.4031, 0.2389,  
0.3801

■ 79.6198, 0.2630,  
0.3479

■ 82.3565, 0.2732,  
0.3428

 85.6234, 0.2846,  
0.3381

 89.4478, 0.2971,  
0.3337

 93.8555, 0.3103,  
0.3297

 96.0474, 0.3146,  
0.3260

 96.2278, 0.3130,  
0.3233

# Harmonies

## Analogous

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



74.2739, 0.2938, 0.4187



74.2739, 0.2426, 0.3643



74.2739, 0.2118, 0.3030

# Triad

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



74.2739, 0.2426, 0.3643



74.2739, 0.2650, 0.2375



74.2739, 0.4318, 0.3847

# Complementary

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



74.2739, 0.2426, 0.3643



25.4219, 0.5232, 0.3059

# 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.



74.2739, 0.4250, 0.3383



74.2739, 0.2426, 0.3643



74.2739, 0.3231, 0.2580

# Square

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



74.2739, 0.2426, 0.3643



74.2739, 0.2240, 0.2365



74.2739, 0.3836, 0.2937



74.2739, 0.4040, 0.4235



# Rectangle

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



74.2739, 0.2426, 0.3643



74.2739, 0.2049, 0.2705



74.2739, 0.3836, 0.2937



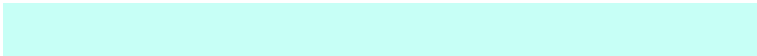
74.2739, 0.4337, 0.3696

# Sweetspot

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



74.2768, 0.2426, 0.3643



90.3160, 0.2844, 0.3382



70.8988, 0.3131, 0.5517



19.1194, 0.2812, 0.3394



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.



74.2768, 0.2426, 0.3643



77.0938, 0.2390, 0.3724



44.7054, 0.2120, 0.2499



19.5592, 0.3001, 0.3327



38.7757, 0.2387, 0.3792



3.6035, 0.2368, 0.3725



# Inverse Universe

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



25.4219, 0.5232, 0.3059



22.9460, 0.5816, 0.3106



36.4853, 0.5069, 0.3843



17.2695, 0.3269, 0.3253



10.8718, 0.6183, 0.3180

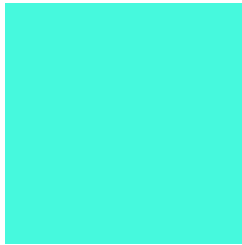


1.0194, 0.5893, 0.3020



# Previews

## White Background



This preview shows how the Yxy color 74.2739, 0.2426, 0.3643 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

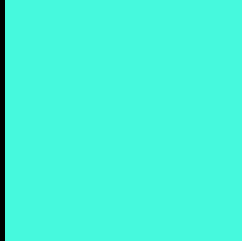
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.2739, 0.2426, 0.3643 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

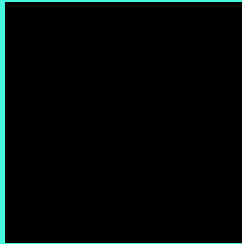
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.2739, 0.2426, 0.3643**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.2739, 0.2426, 0.3643.

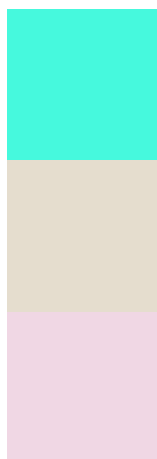


This preview shows how white text looks on a background with the Yxy color 74.2739, 0.2426, 0.3643.

# 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

74.2739, 0.2426, 0.3643

### Protanopia

72.8271, 0.3286, 0.3453

### Deuteranopia

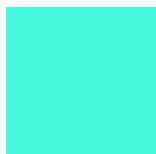
72.7276, 0.3221, 0.3155



## Tritanopia

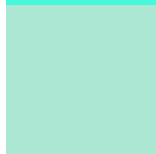
73.8585, 0.2454, 0.3102

# Trichromacy



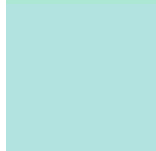
## Original Color

74.2739, 0.2426, 0.3643



## Protanomaly

70.5129, 0.2858, 0.3528



## Deuteranomaly

69.8394, 0.2818, 0.3312



## Tritanomaly

73.8872, 0.2432, 0.3288

# Monochromacy



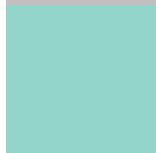
## Original Color

74.2739, 0.2426, 0.3643



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

58.1962, 0.2748, 0.3418

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2739, 0.2426, 0.3643 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(70, 249, 221)` looks like.

```
.text, #text, p{  
    color:rgb(70, 249, 221)  
}
```

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(70, 249, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 249, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2739, 0.2426, 0.3643 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(70, 249, 221) }
```

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

```
.border{ border-color:rgb(70, 249, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 249, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 249, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 249, 221);  
box-shadow:4px 4px 4px 4px rgb(70, 249,  
221) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 74.2739, 0.2426, 0.3643$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 249, 221) }
```

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

```
.background{ background-color: rgb(70, 249,  
221) }
```

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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