

# Converting Colors

$Yxy(73.4611, 0.2310, 0.3377)$

Have a look what the booklet for  
Yxy(73.4611, 0.2310, 0.3377)  
contains.

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# Color

**Yxy(73.4909, 0.2310, 0.3375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	32F7F0
RGB	50, 247, 240
RGB Percent	20%, 97%, 94%
CMY	0.8041, 0.0313, 0.0589
CMYK	0.80, 0.00, 0.03, 0.03
HSL	178°, 92%, 58%
HSV	178°, 80%, 97%
XYZ	50.3004, 73.4909, 93.9595
YIQ	187.2990, -115.1650, -43.9410

# Conversions

## Conversions Part 2

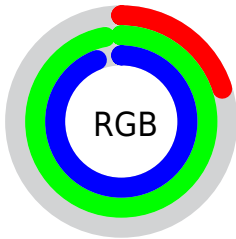
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	50, 150, 247
Decimal	3340272
CIE Lab	88.68, -46.78, -9.93
CIE LCh	89, 47.820, 191.979
Yxy	73.4909, 0.2310, 0.3375
Android (android.graphics.Color)	4281530352 (0xFF32F7F0)
YUV	187.2990, 25.9816, -120.4112
Hunter-Lab	85.7268, -45.2866, -4.9750

# Details

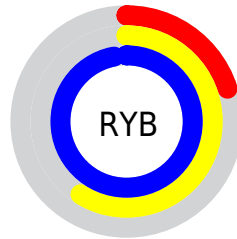
The Yxy color **73.4909, 0.2310, 0.3375** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.3488, 0.5861, 0.3256**, and the grayscale version is **49.7655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **40.2876, 0.2273, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **72.9743, 0.2286, 0.3387**, and if you desaturate by 10%, it is **74.3513, 0.2352, 0.3363**.

# Distribution



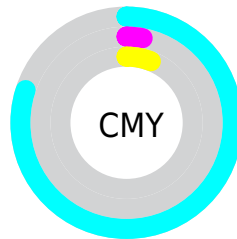
- Red (20%)
- Green (97%)
- Blue (94%)



- Red (20%)
- Yellow (59%)
- Blue (97%)



- Cyan (80%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)




- Cyan (80%)
- Magenta (3%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4909, 0.2310, 0.3375 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 73.4909, 0.2310, 0.3375 by changing the saturation by 10% instead.





 73.4909, 0.2310,  
0.3375

 73.4909, 0.2310,  
0.3375


472.7144, 0.2678,  
0.3346


 54.3775, 0.2229,  
0.3379


 124.1739, 0.2435,  
0.3367

 38.9035, 0.2131,  
0.3383


 156.5122, 0.2485,  
0.3363

 26.6847, 0.2009,  
0.3385


 194.0275, 0.2527,  
0.3360

 17.3365, 0.1855,  
0.3385

 237.1044, 0.2565,  
0.3357

 10.4747, 0.1654,  
0.3379

286.1271, 0.2598,  
0.3354

 5.7148, 0.1385,  
0.3357

341.4801, 0.2628,

 2.6725, 0.1016,

0.3351

403.5477, 0.2654,  
0.3348

0.3296

0.9632, 0.0000,  
0.3287

0.0000, 0.0000,  
0.0000

73.4909, 0.2310,  
0.3375

73.4909, 0.2310,  
0.3375

72.9743, 0.2286,  
0.3387

74.3513, 0.2352,  
0.3363


72.7160, 0.2278,  
0.3398


75.5949, 0.2413,  
0.3351


72.7112, 0.2277,  
0.3399


77.2645, 0.2494,  
0.3340


79.3954, 0.2594,  
0.3329

 82.0188, 0.2710,  
0.3318

 85.1635, 0.2840,  
0.3308

 88.8560, 0.2981,  
0.3298

 93.1210, 0.3131,  
0.3290

 94.5577, 0.3173,  
0.3281

# Harmonies

## Analogous

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



73.4909, 0.2728, 0.3947



73.4909, 0.2310, 0.3375



73.4909, 0.2111, 0.2841

# Triad

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



73.4909, 0.2310, 0.3375



73.4909, 0.2893, 0.2479



73.4909, 0.4183, 0.3995

# Complementary

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



73.4909, 0.2310, 0.3375



22.3488, 0.5861, 0.3256

# 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.



73.4909, 0.4262, 0.3572



73.4909, 0.2310, 0.3375



73.4909, 0.3476, 0.2742

# Square

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



73.4909, 0.2310, 0.3375



73.4909, 0.2422, 0.2388



73.4909, 0.3997, 0.3128



73.4909, 0.3813, 0.4289



# Rectangle

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



73.4909, 0.2310, 0.3375



73.4909, 0.2112, 0.2590



73.4909, 0.3997, 0.3128



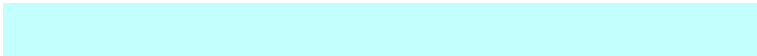
73.4909, 0.4247, 0.3862

# Sweetspot

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



73.4937, 0.2310, 0.3375



90.0432, 0.2783, 0.3312



67.7110, 0.3035, 0.5758



19.0194, 0.2737, 0.3316



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.



73.4937, 0.2310, 0.3375



78.2566, 0.2280, 0.3394



31.9621, 0.1962, 0.2063



18.7470, 0.2985, 0.3298



38.4567, 0.2277, 0.3397



3.3831, 0.2273, 0.3382



# Inverse Universe

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



22.3488, 0.5861, 0.3256



21.5282, 0.6323, 0.3283



38.3646, 0.5099, 0.4066



16.4921, 0.3288, 0.3282



10.4724, 0.6364, 0.3279

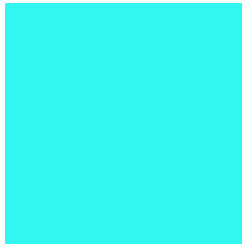


0.9237, 0.6270, 0.3228



# Previews

## White Background



This preview shows how the Yxy color 73.4909, 0.2310, 0.3375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

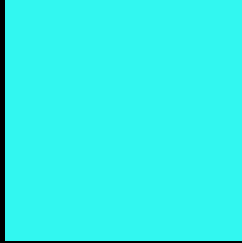
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.4909, 0.2310, 0.3375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

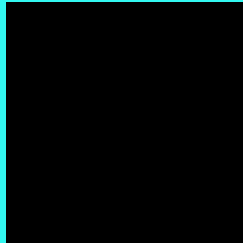
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

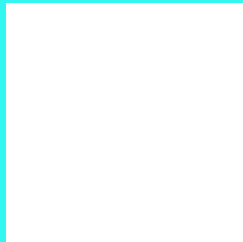
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.4909, 0.2310, 0.3375**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.4909, 0.2310, 0.3375.

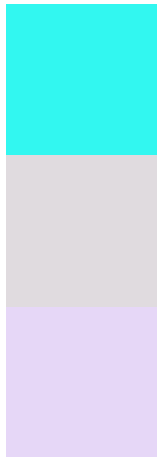


This preview shows how white text looks on a background with the Yxy color 73.4909, 0.2310, 0.3375.

# 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

73.4909, 0.2310, 0.3375

### Protanopia

71.8380, 0.3136, 0.3247

### Deuteranopia

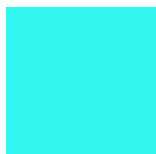
72.1393, 0.3023, 0.2958



## Tritanopia

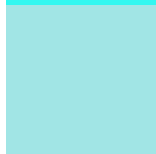
73.0906, 0.2415, 0.3100

# Trichromacy



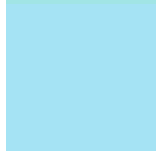
## Original Color

73.4909, 0.2310, 0.3375



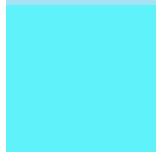
## Protanomaly

69.2728, 0.2699, 0.3289



## Deuteranomaly

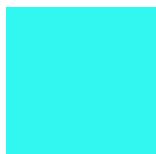
69.4692, 0.2640, 0.3092



## Tritanomaly

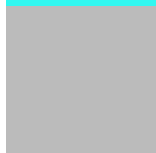
72.8932, 0.2357, 0.3191

# Monochromacy



## Original Color

73.4909, 0.2310, 0.3375



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

55.3755, 0.2660, 0.3328

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.4909, 0.2310, 0.3375 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(50, 247, 240)` looks like.

```
.text, #text, p{  
    color:rgb(50, 247, 240)  
}
```

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(50, 247, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 247, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4909, 0.2310, 0.3375 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(50, 247, 240) }
```

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

```
.border{ border-color:rgb(50, 247, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 247, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 247, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 247, 240);  
box-shadow:4px 4px 4px 4px rgb(50, 247,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.4909, 0.2310, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 247, 240) }
```

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

```
.background{ background-color: rgb(50, 247,  
240) }
```

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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