

# Converting Colors

$Y_{xy}(72.9830, 0.2335, 0.3314)$

Have a look what the booklet for  
Yxy(72.9830, 0.2335, 0.3314)  
contains.

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# Color

**$\text{Yxy}(73.1923, 0.2334, 0.3312)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	49F5F3
RGB	73, 245, 243
RGB Percent	29%, 96%, 95%
CMY	0.7137, 0.0392, 0.0470
CMYK	0.70, 0.00, 0.01, 0.04
HSL	179°, 90%, 62%
HSV	179°, 70%, 96%
XYZ	51.5794, 73.1923, 96.2196
YIQ	193.3440, -101.8700, -37.0860

# Conversions

## Conversions Part 2

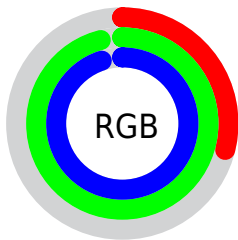
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">73, 160, 245</a>
Decimal	<a href="#">4847091</a>
CIELab	<a href="#">88.54, -42.77, -11.68</a>
CIELCh	<a href="#">89, 44.335, 195.281</a>
Yxy	<a href="#">73.1923, 0.2334, 0.3312</a>
Android (android.graphics.Color)	<a href="#">4283037171 (0xFF49F5F3)</a>
YUV	<a href="#">193.3440, 24.4804, -105.5417</a>
Hunter-Lab	<a href="#">85.5525, -42.0997, -6.7958</a>

# Details

The Yxy color **73.1923, 0.2334, 0.3312** 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 **24.6851, 0.5491, 0.3281**, and the grayscale version is **53.4406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **39.5543, 0.2251, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **72.4022, 0.2291, 0.3316**, and if you desaturate by 10%, it is **74.3645, 0.2396, 0.3308**.

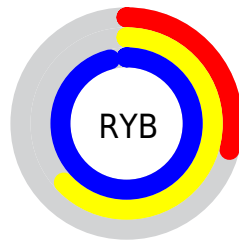
# Distribution



Red (29%)

Green (96%)

Blue (95%)



Red (29%)

Yellow (63%)

Blue (96%)

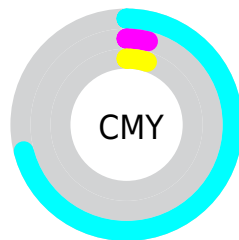


Cyan (70%)

Magenta (0%)

Yellow (1%)

Black (4%)



Cyan (71%)

Magenta (4%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1923, 0.2334, 0.3312 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 73.1923, 0.2334, 0.3312 by changing the saturation by 10% instead.




 73.1923, 0.2334,  
0.3312

 73.1923, 0.2334,  
0.3312


471.6810, 0.2691,  
0.3312


 54.1332, 0.2255,  
0.3309

 123.7502, 0.2456,  
0.3314


 38.7082, 0.2160,  
0.3305


 156.0177, 0.2503,  
0.3314

 26.5328, 0.2042,  
0.3297


 193.4569, 0.2545,  
0.3314

 17.2226, 0.1892,  
0.3284

 236.4521, 0.2581,  
0.3314

 10.3934, 0.1696,  
0.3260

285.3878, 0.2614,  
0.3314

 5.6605, 0.1434,  
0.3214

340.6482, 0.2642,

 2.6398, 0.1073,

0.3313

402.6178, 0.2668,  
0.3313

0.3117

0.9467, 0.0000,  
0.3065

0.0000, 0.0000,  
0.0000

73.1923, 0.2334,  
0.3312

73.1923, 0.2334,  
0.3312

72.4022, 0.2291,  
0.3316

74.3645, 0.2396,  
0.3308


71.9389, 0.2267,  
0.3319

75.9502, 0.2478,  
0.3305


71.7281, 0.2256,  
0.3323


77.9866, 0.2578,  
0.3301


80.5047, 0.2696,  
0.3298

 83.5327, 0.2828,  
0.3295

 87.0967, 0.2972,  
0.3293

 91.2209, 0.3124,  
0.3290

 93.1759, 0.3190,  
0.3288

 93.1932, 0.3188,  
0.3285

# Harmonies

## Analogous

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



73.1923, 0.2707, 0.3844



73.1923, 0.2334, 0.3312



73.1923, 0.2170, 0.2831

# Triad

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



73.1923, 0.2334, 0.3312



73.1923, 0.2968, 0.2550



73.1923, 0.4085, 0.3991

# Complementary

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



73.1923, 0.2334, 0.3312



24.6851, 0.5491, 0.3281

# 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.



73.1923, 0.4189, 0.3605



73.1923, 0.2334, 0.3312



73.1923, 0.3512, 0.2813

# Square

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



73.1923, 0.2334, 0.3312



73.1923, 0.2510, 0.2446



73.1923, 0.3976, 0.3187



73.1923, 0.3720, 0.4235



# Rectangle

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



73.1923, 0.2334, 0.3312



73.1923, 0.2187, 0.2610



73.1923, 0.3976, 0.3187



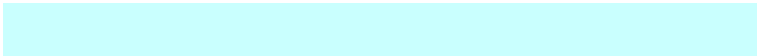
73.1923, 0.4154, 0.3872

# Sweetspot

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



73.1951, 0.2334, 0.3312



91.1803, 0.2816, 0.3296



67.3182, 0.3031, 0.5541



19.3105, 0.2779, 0.3296



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.



73.1951, 0.2334, 0.3312



79.0495, 0.2280, 0.3317



33.8024, 0.2044, 0.2151



18.7543, 0.2982, 0.3292



38.6420, 0.2256, 0.3322



3.3973, 0.2255, 0.3318



# Inverse Universe

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



24.6851, 0.5491, 0.3281



23.0085, 0.6068, 0.3287



43.7152, 0.4765, 0.4103



16.4856, 0.3292, 0.3288



10.4626, 0.6389, 0.3293

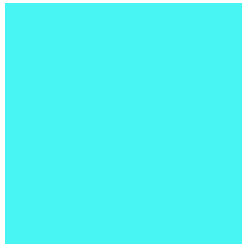


0.9206, 0.6358, 0.3276



# Previews

## White Background



This preview shows how the Yxy color 73.1923, 0.2334, 0.3312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

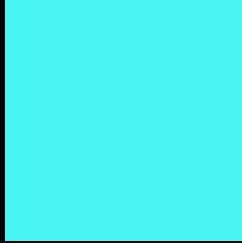
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.1923, 0.2334, 0.3312 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 73.1923, 0.2334, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.1923, 0.2334, 0.3312.

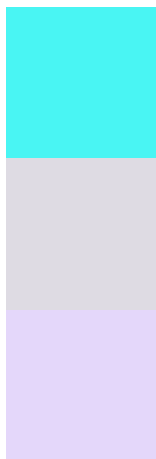


This preview shows how white text looks on a background with the Yxy color 73.1923, 0.2334, 0.3312.

# 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

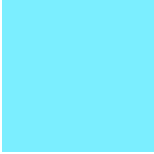
73.1923, 0.2334, 0.3312

### Protanopia

71.7387, 0.3096, 0.3204

### Deuteranopia

71.9970, 0.2990, 0.2927



## **Tritanopia**

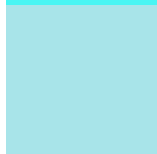
72.5800, 0.2417, 0.3089

# Trichromacy



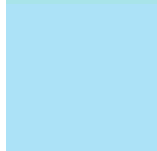
## Original Color

73.1923, 0.2334, 0.3312



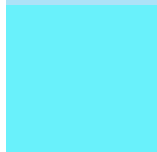
## Protanomaly

69.6948, 0.2716, 0.3230



## Deuteranomaly

69.8788, 0.2662, 0.3050



## Tritanomaly

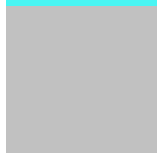
72.8789, 0.2378, 0.3168

# Monochromacy



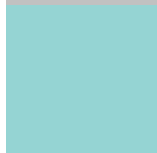
## Original Color

73.1923, 0.2334, 0.3312



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

58.1797, 0.2707, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1923, 0.2334, 0.3312 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(73, 245, 243)` looks like.

```
.text, #text, p{  
    color:rgb(73, 245, 243)  
}
```

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(73, 245, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 245, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1923, 0.2334, 0.3312 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(73, 245, 243) }
```

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

```
.border{ border-color:rgb(73, 245, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 245, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 245, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 245, 243);  
box-shadow:4px 4px 4px 4px rgb(73, 245,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.1923, 0.2334, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 245, 243) }
```

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

```
.background{ background-color: rgb(73, 245,  
243) }
```

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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