

# Converting Colors

$Y_{xy}(43.6590, 0.2245, 0.3298)$

Have a look what the booklet for  
Yxy(43.6590, 0.2245, 0.3298)  
contains.

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# Color

**Yxy(43.9180, 0.2251, 0.3303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C5C4
RGB	0, 197, 196
RGB Percent	0%, 77%, 77%
CMY	0.9992, 0.2274, 0.2314
CMYK	1.00, 0.00, 0.01, 0.23
HSL	180°, 100%, 39%
HSV	180°, 100%, 77%
XYZ	29.9302, 43.9180, 59.1158
YIQ	137.9830, -117.0910, -42.0750

# Conversions

## Conversions Part 2

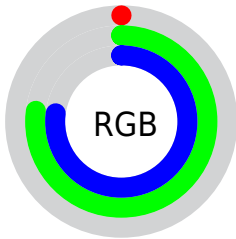
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 99, 197
Decimal	50628
CIELab	72.17, -39.89, -11.14
CIELCh	72, 41.416, 195.597
Yxy	43.9180, 0.2251, 0.3303
Android (android.graphics.Color)	4278240708 (0xFF00C5C4)
YUV	137.9830, 28.6024, -121.0111
Hunter-Lab	66.2707, -35.3567, -6.4993

# Details

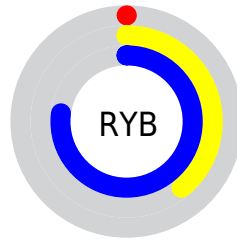
The Yxy color **43.9180, 0.2251, 0.3303** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **11.8775, 0.6394, 0.3297**, and the grayscale version is **25.3543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9185, 0.2401, 0.3300**, and **21.2990, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **43.9183, 0.2251, 0.3303**, and if you desaturate by 10%, it is **44.0706, 0.2264, 0.3301**.

# Distribution



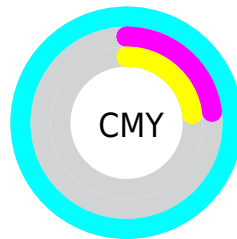
- Red (0%)
- Green (77%)
- Blue (77%)



- Red (0%)
- Yellow (39%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9180, 0.2251, 0.3303 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 43.9180, 0.2251, 0.3303 by changing the saturation by 10% instead.





 43.9180, 0.2251,  
0.3303

 43.9180, 0.2251,  
0.3303


362.3736, 0.2681,  
0.3310


 30.6060, 0.2147,  
0.3297


 81.0943, 0.2405,  
0.3308


 20.2991, 0.2017,  
0.3287


 105.7275, 0.2463,  
0.3310


 12.6126, 0.1848,  
0.3270


 134.9032, 0.2513,  
0.3310

 7.1623, 0.1622,  
0.3237

 169.0059, 0.2556,  
0.3310

 3.5638, 0.1310,  
0.3171

 208.4198, 0.2593,  
0.3310

 1.4327, 0.0662,  
0.3089

253.5295, 0.2626,

 0.2406, 0.0000,

0.3310

0.1875

304.7193, 0.2655,  
0.3310

■ 0.0000, 0.0000,  
0.0000

■ 43.9180, 0.2251,  
0.3303

■ 43.9180, 0.2251,  
0.3303

■ 43.9183, 0.2251,  
0.3303

■ 44.0706, 0.2264,  
0.3301

■ 44.3707, 0.2291,  
0.3300

■ 44.8711, 0.2336,  
0.3298

■ 45.5990, 0.2400,  
0.3297

■ 46.5771, 0.2483,  
0.3295

■ 47.8255, 0.2585,  
0.3294

■ 49.3623, 0.2702,  
0.3293

■ 51.2039, 0.2834,  
0.3292

■ 53.3656, 0.2977,  
0.3291

# Harmonies

## Analogous

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



43.9180, 0.2654, 0.3903



43.9180, 0.2251, 0.3303



43.9180, 0.2078, 0.2773

# Triad

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



43.9180, 0.2251, 0.3303



43.9180, 0.2955, 0.2483



43.9180, 0.4179, 0.4058

# Complementary

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



43.9180, 0.2251, 0.3303



11.8775, 0.6394, 0.3297

# 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.



43.9180, 0.4303, 0.3632



43.9180, 0.2251, 0.3303



43.9180, 0.3558, 0.2770

# Square

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



43.9180, 0.2251, 0.3303



43.9180, 0.2452, 0.2366



43.9180, 0.4072, 0.3176



43.9180, 0.3769, 0.4336



# Rectangle

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



43.9180, 0.2251, 0.3303



43.9180, 0.2098, 0.2535



43.9180, 0.4072, 0.3176



43.9180, 0.4258, 0.3925

# Sweetspot

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



43.9196, 0.2251, 0.3303



88.2389, 0.2695, 0.3293



39.9563, 0.3003, 0.5997



18.6234, 0.2643, 0.3293



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.



43.9196, 0.2251, 0.3303



78.6556, 0.2251, 0.3303



13.5114, 0.1786, 0.1628



12.0666, 0.2985, 0.3291



28.8869, 0.2251, 0.3303



1.3681, 0.2250, 0.3299



# Inverse Universe

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



11.8775, 0.6394, 0.3297



21.2629, 0.6397, 0.3298



20.1128, 0.5460, 0.4045



10.6378, 0.3289, 0.3289



7.8095, 0.6394, 0.3296



0.3701, 0.6372, 0.3284



# Previews

## White Background



This preview shows how the Yxy color 43.9180, 0.2251, 0.3303 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 43.9180, 0.2251, 0.3303 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

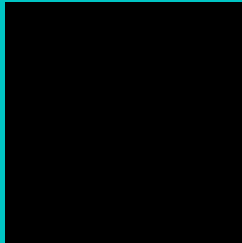
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

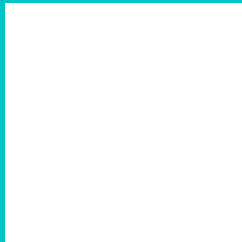
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.9180, 0.2251, 0.3303**

## Background



This preview shows how black text looks on a background with the Yxy color 43.9180, 0.2251, 0.3303.



This preview shows how white text looks on a background with the Yxy color 43.9180, 0.2251, 0.3303.

# 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

43.9180, 0.2251, 0.3303

### Protanopia

43.3845, 0.3088, 0.3197

### Deuteranopia

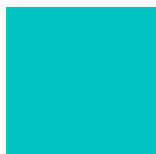
43.0934, 0.2956, 0.2892



## Tritanopia

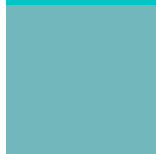
44.1267, 0.2215, 0.3051

# Trichromacy



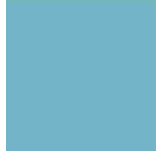
## Original Color

43.9180, 0.2251, 0.3303



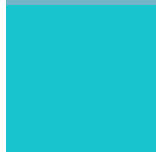
## Protanomaly

40.9655, 0.2578, 0.3229



## Deuteranomaly

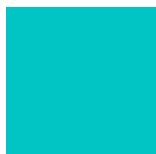
40.4575, 0.2506, 0.2998



## Tritanomaly

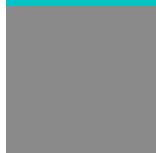
44.1303, 0.2222, 0.3138

# Monochromacy



## Original Color

43.9180, 0.2251, 0.3303



## Achromatopsia

25.4152, 0.3127, 0.3290



## Achromatomaly

29.3742, 0.2539, 0.3288

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9180, 0.2251, 0.3303 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(0, 197, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 196)  
}
```

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(0, 197, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9180, 0.2251, 0.3303 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(0, 197, 196) }
```

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

```
.border{ border-color:rgb(0, 197, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9180, 0.2251, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 196) }
```

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

```
.background{ background-color: rgb(0, 197,  
196) }
```

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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