

# Converting Colors

$Yxy(43.5526, 0.1390, 0.3668)$

Have a look what the booklet for  
Yxy(43.5526, 0.1390, 0.3668)  
contains.

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# Color

**Yxy(52.4959, 0.2333, 0.3598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D7C2
RGB	0, 215, 194
RGB Percent	0%, 84%, 76%
CMY	0.9987, 0.1569, 0.2393
CMYK	1.00, 0.00, 0.10, 0.16
HSL	174°, 100%, 42%
HSV	174°, 100%, 84%
XYZ	34.0392, 52.4959, 59.3679
YIQ	148.3210, -121.3990, -52.1110

# Conversions

## Conversions Part 2

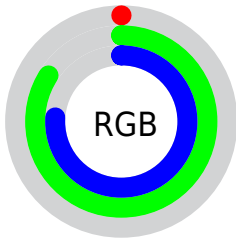
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 113, 215
Decimal	55234
CIELab	77.58, -48.27, -2.05
CIELCh	78, 48.318, 182.434
Yxy	52.4959, 0.2333, 0.3598
Android (android.graphics.Color)	4278245314 (0xFF00D7C2)
YUV	148.3210, 22.5197, -130.0775
Hunter-Lab	72.4541, -42.9347, 2.1364

# Details

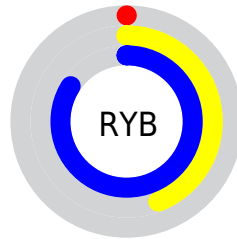
The Yxy color **52.4959, 0.2333, 0.3598** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.5096, 0.6299, 0.3245**, and the grayscale version is **29.7393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6103, 0.2427, 0.3346**, and **26.7194, 0.2345, 0.3641** is the 20% darker color. If you saturate the color by 10%, you get **52.4944, 0.2333, 0.3599**, and if you desaturate by 10%, it is **52.7596, 0.2338, 0.3565**.

# Distribution



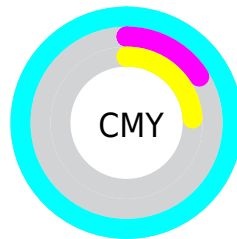
- Red (0%)
- Green (84%)
- Blue (76%)



- Red (0%)
- Yellow (44%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (16%)



- Cyan (100%)
- Magenta (16%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4959, 0.2333, 0.3598 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 52.4959, 0.2333, 0.3598 by changing the saturation by 10% instead.





 52.4959, 0.2333,  
0.3598


 52.4959, 0.2333,  
0.3598


396.3481, 0.2716,  
0.3452


 37.4005, 0.2242,  
0.3632


 93.8622, 0.2469,  
0.3547


 25.5177, 0.2128,  
0.3674


 120.9018, 0.2521,  
0.3527

 16.4632, 0.1981,  
0.3728

 152.6917, 0.2565,  
0.3510

 9.8525, 0.1786,  
0.3797

 189.6162, 0.2604,  
0.3495

 5.3013, 0.1517,  
0.3891

 232.0597, 0.2637,  
0.3482

 2.4251, 0.1113,  
0.4023

280.4066, 0.2667,

 0.8388, 0.0000,

0.3471

0.4418

335.0412, 0.2693,  
0.3461

■ 0.0000, 0.0000,  
0.0000

■ 52.4959, 0.2333,  
0.3598

■ 52.4959, 0.2333,  
0.3598

■ 52.4944, 0.2333,  
0.3599

■ 52.7596, 0.2338,  
0.3565

■ 53.2082, 0.2358,  
0.3531

■ 53.9034, 0.2396,  
0.3498

■ 54.8787, 0.2454,  
0.3464

■ 56.1626, 0.2531,  
0.3431

■ 57.7800, 0.2625,  
0.3399

■ 59.7534, 0.2735,  
0.3369

■ 62.1030, 0.2857,  
0.3340

■ 64.8479, 0.2990,  
0.3314

# Harmonies

## Analogous

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



52.4959, 0.2858, 0.4211



52.4959, 0.2333, 0.3598



52.4959, 0.2035, 0.2948

# Triad

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



52.4959, 0.2333, 0.3598



52.4959, 0.2673, 0.2333



52.4959, 0.4384, 0.3923

# Complementary

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



52.4959, 0.2333, 0.3598



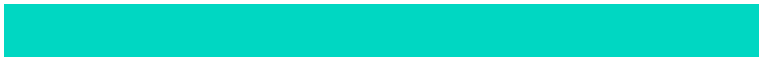
14.5096, 0.6299, 0.3245

# 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.



52.4959, 0.4356, 0.3433



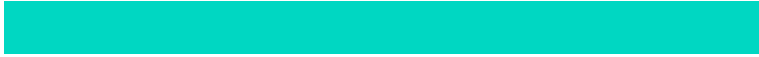
52.4959, 0.2333, 0.3598



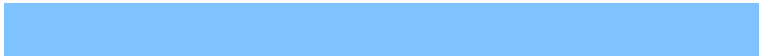
52.4959, 0.3304, 0.2568

# Square

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



52.4959, 0.2333, 0.3598



52.4959, 0.2217, 0.2297



52.4959, 0.3945, 0.2957



52.4959, 0.4051, 0.4328

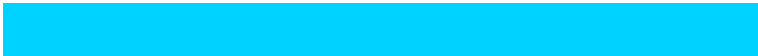


# Rectangle

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



52.4959, 0.2333, 0.3598



52.4959, 0.1982, 0.2618



52.4959, 0.3945, 0.2957



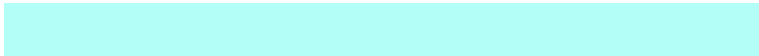
52.4959, 0.4419, 0.3763

# Sweetspot

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



52.4979, 0.2333, 0.3598



87.7912, 0.2729, 0.3370



48.7703, 0.3021, 0.5982



18.5144, 0.2681, 0.3383



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.



52.4979, 0.2333, 0.3598



77.2352, 0.2334, 0.3602



20.6431, 0.1865, 0.1912



14.0859, 0.2996, 0.3313



31.4064, 0.2332, 0.3593



1.9005, 0.2316, 0.3536



# Inverse Universe

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



14.5096, 0.6299, 0.3245



21.3300, 0.6314, 0.3252



21.1345, 0.5710, 0.3847



12.4404, 0.3276, 0.3267



8.6807, 0.6280, 0.3233

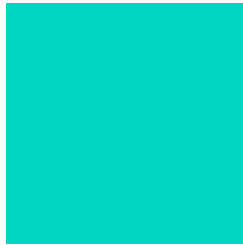


0.5305, 0.5963, 0.3058



# Previews

## White Background



This preview shows how the Yxy color 52.4959, 0.2333, 0.3598 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

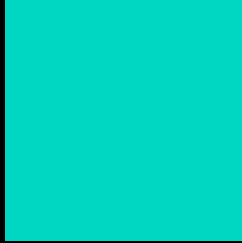
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.4959, 0.2333, 0.3598 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

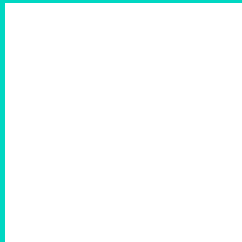
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.4959, 0.2333, 0.3598**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.4959, 0.2333, 0.3598.

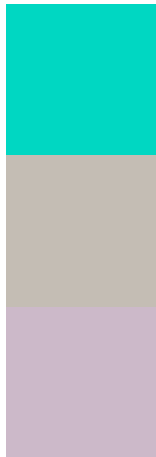


This preview shows how white text looks on a background with the Yxy color 52.4959, 0.2333, 0.3598.

# 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

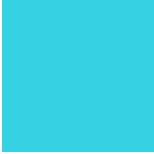
52.4959, 0.2333, 0.3598

### Protanopia

51.4262, 0.3255, 0.3403

### Deuteranopia

51.7523, 0.3161, 0.3099



## **Tritanopia**

52.4235, 0.2239, 0.3055

# Trichromacy



## Original Color

52.4959, 0.2333, 0.3598



## Protanomaly

48.2509, 0.2693, 0.3474



## Deuteranomaly

48.3029, 0.2642, 0.3261



## Tritanomaly

52.3333, 0.2261, 0.3245

# Monochromacy



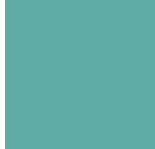
## Original Color

52.4959, 0.2333, 0.3598



## Achromatopsia

29.6138, 0.3127, 0.3290



## Achromatomaly

34.6013, 0.2573, 0.3404

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.4959, 0.2333, 0.3598 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, 215, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 194)  
}
```

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, 215, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 52.4959, 0.2333, 0.3598 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, 215, 194) }
```

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

```
.border{ border-color:rgb(0, 215, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 215, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.4959, 0.2333, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 194) }
```

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

```
.background{ background-color: rgb(0, 215,  
194) }
```

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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