

# Converting Colors

$Yxy(49.8366, 0.1903, 0.3235)$

Have a look what the booklet for  
Yxy(49.8366, 0.1903, 0.3235)  
contains.

<b>Yxy(53.7154, 0.2231, 0.3231)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(53.7154, 0.2231, 0.3231)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D7DB
RGB	0, 215, 219
RGB Percent	0%, 84%, 86%
CMY	0.9991, 0.1569, 0.1411
CMYK	1.00, 0.02, 0.00, 0.14
HSL	181°, 100%, 43%
HSV	181°, 100%, 86%
XYZ	37.0904, 53.7154, 75.4443
YIQ	151.1710, -129.4240, -44.3360

# Conversions

## Conversions Part 2

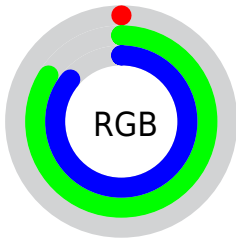
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 108, 219
Decimal	55259
CIELab	78.30, -41.07, -14.40
CIELCh	78, 43.518, 199.322
Yxy	53.7154, 0.2231, 0.3231
Android (android.graphics.Color)	4278245339 (0xFF00D7DB)
YUV	151.1710, 33.4397, -132.5770
Hunter-Lab	73.2908, -37.9251, -9.7286

# Details

The Yxy color **53.7154, 0.2231, 0.3231** 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 **15.1563, 0.6388, 0.3308**, and the grayscale version is **30.9530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **27.4766, 0.2221, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **53.7136, 0.2231, 0.3231**, and if you desaturate by 10%, it is **54.0933, 0.2246, 0.3237**.

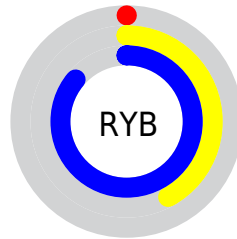
# Distribution



Red (0%)

Green (84%)

Blue (86%)



Red (0%)

Yellow (42%)

Blue (86%)

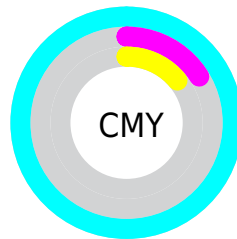


Cyan (100%)

Magenta (2%)

Yellow (0%)

Black (14%)



Cyan (100%)

Magenta (16%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7154, 0.2231, 0.3231 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 53.7154, 0.2231, 0.3231 by changing the saturation by 10% instead.





 53.7154, 0.2231,  
0.3231

 53.7154, 0.2231,  
0.3231


401.0238, 0.2654,  
0.3274


 38.3742, 0.2133,  
0.3217


 95.6562, 0.2379,  
0.3249

 26.2732, 0.2013,  
0.3196


 123.0247, 0.2436,  
0.3256

 17.0282, 0.1860,  
0.3166

 155.1709, 0.2485,  
0.3260

 10.2546, 0.1662,  
0.3120

 192.4794, 0.2528,  
0.3264

 5.5681, 0.1398,  
0.3042

 235.3346, 0.2565,  
0.3268

 2.5843, 0.1037,  
0.2897

284.1208, 0.2598,

 0.9188, 0.0000,

0.3270

0.2746

339.2224, 0.2628,  
0.3272

■ 0.0000, 0.0000,  
0.0000

■ 53.7154, 0.2231,  
0.3231

■ 53.7154, 0.2231,  
0.3231

■ 53.7136, 0.2231,  
0.3231

■ 54.0933, 0.2246,  
0.3237

■ 54.6634, 0.2274,  
0.3243

■ 55.4897, 0.2321,  
0.3249

■ 56.6074, 0.2387,  
0.3255

■ 58.0464, 0.2473,  
0.3262

■ 59.8328, 0.2576,  
0.3268

■ 61.9900, 0.2696,  
0.3274

■ 64.5393, 0.2830,  
0.3280

■ 67.5006, 0.2976,  
0.3285

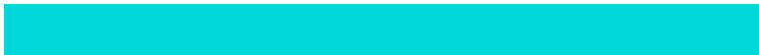
# Harmonies

## Analogous

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



53.7154, 0.2603, 0.3823



53.7154, 0.2231, 0.3231



53.7154, 0.2090, 0.2732

# Triad

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



53.7154, 0.2231, 0.3231



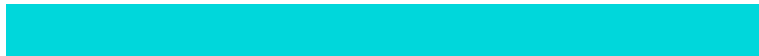
53.7154, 0.3030, 0.2522



53.7154, 0.4125, 0.4092

# Complementary

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



53.7154, 0.2231, 0.3231



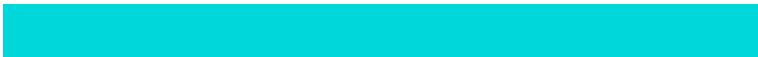
15.1563, 0.6388, 0.3308

# 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.



53.7154, 0.4286, 0.3683



53.7154, 0.2231, 0.3231



53.7154, 0.3623, 0.2823

# Square

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



53.7154, 0.2231, 0.3231



53.7154, 0.2515, 0.2384



53.7154, 0.4102, 0.3233



53.7154, 0.3696, 0.4334



# Rectangle

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



53.7154, 0.2231, 0.3231



53.7154, 0.2130, 0.2515



53.7154, 0.4102, 0.3233



53.7154, 0.4214, 0.3967

# Sweetspot

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



53.7174, 0.2231, 0.3231



87.3703, 0.2692, 0.3274



50.6838, 0.2998, 0.5991



18.4114, 0.2639, 0.3271



0.0000, 0.0000, 0.0000

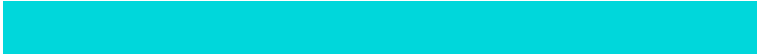


21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.7174, 0.2231, 0.3231



75.7855, 0.2231, 0.3230



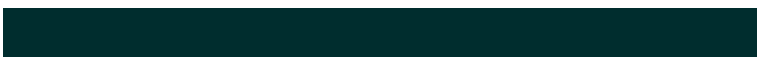
15.4219, 0.1752, 0.1506



14.7863, 0.2982, 0.3285



31.8618, 0.2231, 0.3232



2.0775, 0.2234, 0.3241



# Inverse Universe

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



19.9747, 0.3256, 0.1568



28.1817, 0.3256, 0.1568



26.9359, 0.5372, 0.4116



13.2705, 0.3141, 0.3064



11.8402, 0.3255, 0.1567

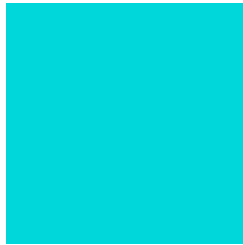


0.7684, 0.3247, 0.1563



# Previews

## White Background



This preview shows how the Yxy color 53.7154, 0.2231, 0.3231 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

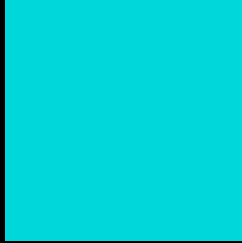
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.7154, 0.2231, 0.3231 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

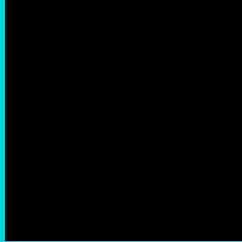
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.7154, 0.2231, 0.3231**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.7154, 0.2231, 0.3231.



This preview shows how white text looks on a background with the Yxy color 53.7154, 0.2231, 0.3231.

# 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

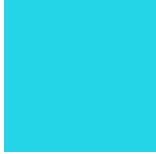
53.7154, 0.2231, 0.3231

### Protanopia

52.8277, 0.3039, 0.3131

### Deuteranopia

53.0048, 0.2912, 0.2854



## Tritanopia

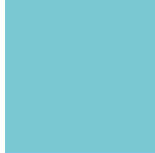
53.7153, 0.2204, 0.3043

# Trichromacy



## Original Color

53.7154, 0.2231, 0.3231



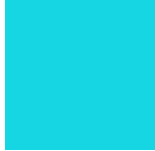
## Protanomaly

50.0496, 0.2542, 0.3166



## Deuteranomaly

50.0010, 0.2474, 0.2957



## Tritanomaly

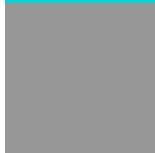
53.8098, 0.2209, 0.3109

# Monochromacy



## Original Color

53.7154, 0.2231, 0.3231



## Achromatopsia

30.9469, 0.3127, 0.3290



## Achromatomaly

35.8935, 0.2522, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.7154, 0.2231, 0.3231 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7154, 0.2231, 0.3231 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, 219) }
```

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

```
.border{ border-color:rgb(0, 215, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7154, 0.2231, 0.3231 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, 219) }
```

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

```
.background{ background-color: rgb(0, 215,  
219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor