

# Converting Colors

$Y_{xy}(53.4508, 0.2217, 0.3180)$

Have a look what the booklet for  
Yxy(53.4508, 0.2217, 0.3180)  
contains.

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**Color**

**Yxy(53.3735, 0.2216, 0.3176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01D6DE
RGB	1, 214, 222
RGB Percent	0%, 84%, 87%
CMY	0.9968, 0.1608, 0.1295
CMYK	1.00, 0.04, 0.00, 0.13
HSL	182°, 99%, 44%
HSV	182°, 100%, 87%
XYZ	37.2405, 53.3735, 77.4386
YIQ	151.2250, -129.5160, -42.6680

# Conversions

## Conversions Part 2

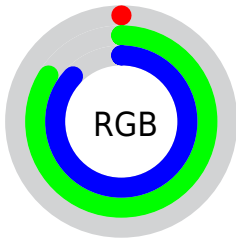
Format	Color
<b>RYB</b>	1, 109, 222
Decimal	120542
CIELab	78.10, -39.71, -16.29
CIELCh	78, 42.922, 202.306
Yxy	53.3735, 0.2216, 0.3176
Android (android.graphics.Color)	4278310622 (0xFF01D6DE)
YUV	151.2250, 34.8921, -131.7473
Hunter-Lab	73.0572, -36.8607, -11.7058

# Details

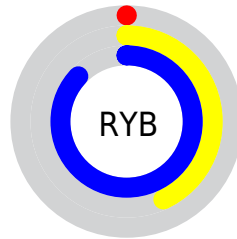
The Yxy color **53.3735, 0.2216, 0.3176** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.7208, 0.6375, 0.3316**, and the grayscale version is **30.9145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **27.5863, 0.2206, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **53.3553, 0.2216, 0.3176**, and if you desaturate by 10%, it is **53.9591, 0.2232, 0.3188**.

# Distribution



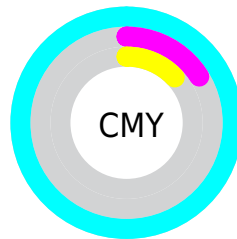
- Red (0%)
- Green (84%)
- Blue (87%)



- Red (0%)
- Yellow (43%)
- Blue (87%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)




- Cyan (100%)
- Magenta (16%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3735, 0.2216, 0.3176 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 53.3735, 0.2216, 0.3176 by changing the saturation by 10% instead.





 53.3735, 0.2216,  
0.3176

 53.3735, 0.2216,  
0.3176


399.7164, 0.2645,  
0.3247


 38.1010, 0.2117,  
0.3155


 95.1537, 0.2366,  
0.3204


 26.0611, 0.1995,  
0.3126


 122.4303, 0.2424,  
0.3214


 16.8694, 0.1841,  
0.3085


 154.4770, 0.2474,  
0.3222

 10.1414, 0.1641,  
0.3023

 191.6782, 0.2517,  
0.3229

 5.4928, 0.1376,  
0.2924

 234.4184, 0.2555,  
0.3235

 2.5392, 0.1016,  
0.2749

283.0819, 0.2589,

 0.8962, 0.0000,

0.3239

0.2540

338.0531, 0.2619,  
0.3243

■ 0.0000, 0.0000,  
0.0000

■ 53.3735, 0.2216,  
0.3176

■ 53.3735, 0.2216,  
0.3176

■ 53.3553, 0.2216,  
0.3176

■ 53.9591, 0.2232,  
0.3188

■ 54.7481, 0.2264,  
0.3200

■ 55.8039, 0.2313,  
0.3212

■ 57.1628, 0.2382,  
0.3224

■ 58.8555, 0.2470,  
0.3236

■ 60.9089, 0.2576,  
0.3248

■ 63.3472, 0.2698,  
0.3260

■ 66.1923, 0.2833,  
0.3271

■ 69.4648, 0.2979,  
0.3281

# Harmonies

## Analogous

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



53.3735, 0.2564, 0.3761



53.3735, 0.2216, 0.3176



53.3735, 0.2100, 0.2700

# Triad

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



53.3735, 0.2216, 0.3176



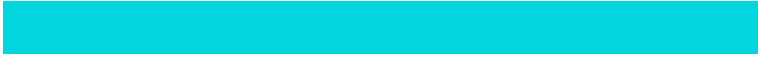
53.3735, 0.3088, 0.2553



53.3735, 0.4082, 0.4117

# Complementary

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



53.3735, 0.2216, 0.3176



15.7208, 0.6375, 0.3316

# 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.



53.3735, 0.4272, 0.3724



53.3735, 0.2216, 0.3176



53.3735, 0.3673, 0.2865

# Square

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



53.3735, 0.2216, 0.3176



53.3735, 0.2565, 0.2398



53.3735, 0.4123, 0.3278



53.3735, 0.3639, 0.4330



# Rectangle

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



53.3735, 0.2216, 0.3176



53.3735, 0.2155, 0.2501



53.3735, 0.4123, 0.3278



53.3735, 0.4179, 0.3999

# Sweetspot

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



53.3755, 0.2216, 0.3176



86.5152, 0.2690, 0.3259



52.2605, 0.2995, 0.5981



18.2030, 0.2637, 0.3254



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.



53.3755, 0.2216, 0.3176



73.0076, 0.2215, 0.3175



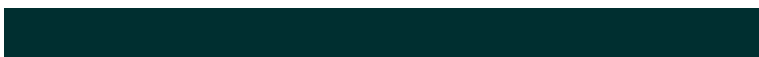
15.1854, 0.1738, 0.1454



15.4830, 0.2982, 0.3281



31.7321, 0.2216, 0.3177



2.2264, 0.2221, 0.3195



# Inverse Universe

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



20.4012, 0.3302, 0.1594



27.9013, 0.3303, 0.1593



28.6701, 0.5319, 0.4156



13.9266, 0.3143, 0.3067



12.1114, 0.3301, 0.1592

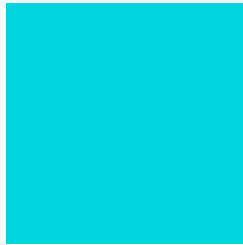


0.8422, 0.3286, 0.1584



# Previews

## White Background



This preview shows how the Yxy color 53.3735, 0.2216, 0.3176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

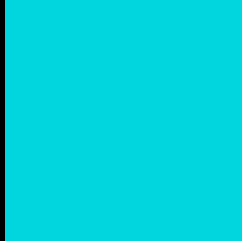
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.3735, 0.2216, 0.3176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

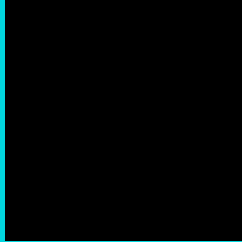
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

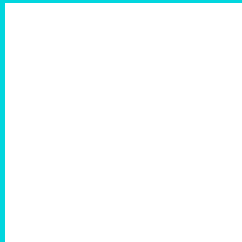
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.3735, 0.2216, 0.3176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3735, 0.2216, 0.3176.



This preview shows how white text looks on a background with the Yxy color 53.3735, 0.2216, 0.3176.

# 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

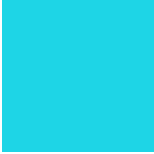
53.3735, 0.2216, 0.3176

### Protanopia

52.2791, 0.3001, 0.3082

### Deuteranopia

52.3486, 0.2869, 0.2806



## **Tritanopia**

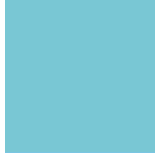
53.5777, 0.2202, 0.3055

# Trichromacy



## Original Color

53.3735, 0.2216, 0.3176



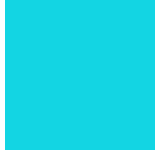
## Protanomaly

49.6653, 0.2518, 0.3112



## Deuteranomaly

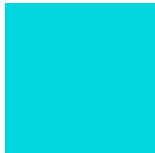
49.5611, 0.2445, 0.2905



## Tritanomaly

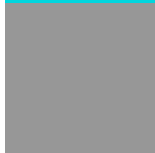
53.2730, 0.2203, 0.3094

# Monochromacy



## Original Color

53.3735, 0.2216, 0.3176



## Achromatopsia

30.9469, 0.3127, 0.3290



## Achromatomaly

35.9332, 0.2516, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.3735, 0.2216, 0.3176 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(1, 214, 222)` looks like.

```
.text, #text, p{  
    color:rgb(1, 214, 222)  
}
```

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(1, 214, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 214, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3735, 0.2216, 0.3176 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(1, 214, 222) }
```

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

```
.border{ border-color:rgb(1, 214, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 214, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 214, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 214, 222);  
box-shadow:4px 4px 4px 4px rgb(1, 214,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3735, 0.2216, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 214, 222) }
```

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

```
.background{ background-color: rgb(1, 214,  
222) }
```

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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