

# Converting Colors

$Y_{xy}(47.6572, 0.1797, 0.3147)$

Have a look what the booklet for  
Yxy(47.6572, 0.1797, 0.3147)  
contains.

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# Color

**Yxy(52.8624, 0.2212, 0.3162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01D5DE
RGB	1, 213, 222
RGB Percent	0%, 84%, 87%
CMY	0.9977, 0.1647, 0.1295
CMYK	1.00, 0.04, 0.00, 0.13
HSL	182°, 99%, 44%
HSV	182°, 100%, 87%
XYZ	36.9803, 52.8624, 77.3376
YIQ	150.6380, -129.2410, -42.1450

# Conversions

## Conversions Part 2

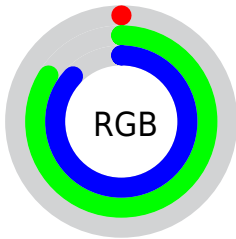
Format	Color
R <sub>YB</sub>	1, 109, 222
Decimal	120286
CIE Lab	77.79, -39.27, -16.73
CIE LCh	78, 42.682, 203.081
Yxy	52.8624, 0.2212, 0.3162
Android (android.graphics.Color)	4278310366 (0xFF01D5DE)
YUV	150.6380, 35.1815, -131.2325
Hunter-Lab	72.7065, -36.4471, -12.1719

# Details

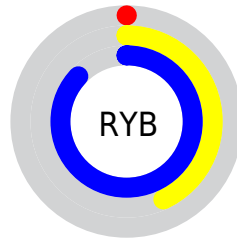
The Yxy color **52.8624, 0.2212, 0.3162** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.7330, 0.6374, 0.3318**, and the grayscale version is **30.6153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **27.2437, 0.2201, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **52.8487, 0.2212, 0.3162**, and if you desaturate by 10%, it is **53.4937, 0.2229, 0.3175**.

# Distribution



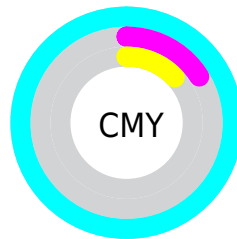
- Red (0%)
- Green (84%)
- Blue (87%)



- 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 52.8624, 0.2212, 0.3162 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 52.8624, 0.2212, 0.3162 by changing the saturation by 10% instead.




 52.8624, 0.2212,  
0.3162

 52.8624, 0.2212,  
0.3162


 397.7570, 0.2644,  
0.3240


 37.6929, 0.2112,  
0.3139


 94.4019, 0.2363,  
0.3193


 25.7445, 0.1990,  
0.3108


 121.5406, 0.2421,  
0.3204

 16.6326, 0.1834,  
0.3064


 153.4380, 0.2471,  
0.3213

 9.9729, 0.1633,  
0.2998

 190.4783, 0.2515,  
0.3220

 5.3810, 0.1366,  
0.2893

 233.0460, 0.2553,  
0.3226

 2.4725, 0.1003,  
0.2708

 281.5254, 0.2587,

 0.8628, 0.0000,

0.3231

0.2476

336.3009, 0.2617,  
0.3236

■ 0.0000, 0.0000,  
0.0000

■ 52.8624, 0.2212,  
0.3162

■ 52.8624, 0.2212,  
0.3162

■ 52.8487, 0.2212,  
0.3162

■ 53.4937, 0.2229,  
0.3175

■ 54.3276, 0.2260,  
0.3189

■ 55.4282, 0.2310,  
0.3202

■ 56.8321, 0.2379,  
0.3216

■ 58.5699, 0.2468,  
0.3230

■ 60.6686, 0.2574,  
0.3243

■ 63.1523, 0.2696,  
0.3256

■ 66.0432, 0.2832,  
0.3268

■ 69.3615, 0.2978,  
0.3280

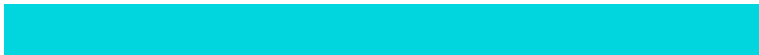
# Harmonies

## Analogous

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



52.8624, 0.2554, 0.3745



52.8624, 0.2212, 0.3162



52.8624, 0.2102, 0.2692

# Triad

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



52.8624, 0.2212, 0.3162



52.8624, 0.3104, 0.2561



52.8624, 0.4071, 0.4124

# Complementary

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



52.8624, 0.2212, 0.3162



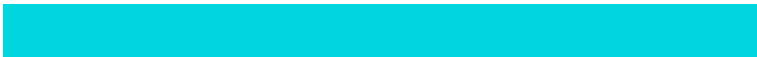
15.7330, 0.6374, 0.3318

# 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.



52.8624, 0.4268, 0.3734



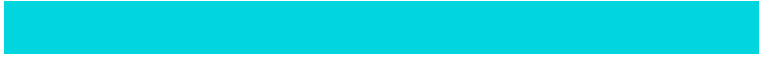
52.8624, 0.2212, 0.3162



52.8624, 0.3686, 0.2875

# Square

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



52.8624, 0.2212, 0.3162



52.8624, 0.2578, 0.2402



52.8624, 0.4129, 0.3290



52.8624, 0.3625, 0.4329



# Rectangle

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



52.8624, 0.2212, 0.3162



52.8624, 0.2161, 0.2497



52.8624, 0.4129, 0.3290



52.8624, 0.4171, 0.4007

# Sweetspot

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



52.8643, 0.2212, 0.3162



86.3031, 0.2690, 0.3255



52.2463, 0.2995, 0.5982



18.1513, 0.2636, 0.3250



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.



52.8643, 0.2212, 0.3162



72.3259, 0.2211, 0.3161



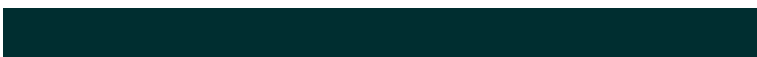
15.1555, 0.1737, 0.1453



15.4721, 0.2982, 0.3280



31.4427, 0.2212, 0.3164



2.2094, 0.2218, 0.3184



# Inverse Universe

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



20.3411, 0.3314, 0.1600



27.8325, 0.3315, 0.1600



28.6372, 0.5321, 0.4155



13.9255, 0.3144, 0.3068



12.0822, 0.3313, 0.1599

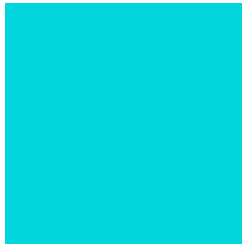


0.8405, 0.3295, 0.1589



# Previews

## White Background



This preview shows how the Yxy color 52.8624, 0.2212, 0.3162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

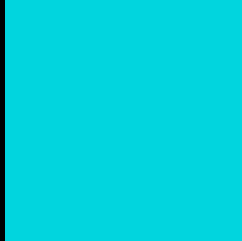
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.8624, 0.2212, 0.3162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

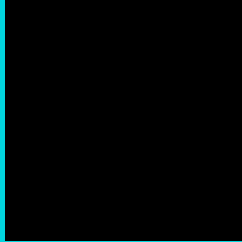
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.8624, 0.2212, 0.3162**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.8624, 0.2212, 0.3162.



This preview shows how white text looks on a background with the Yxy color 52.8624, 0.2212, 0.3162.

# 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

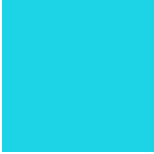
52.8689, 0.2212, 0.3162

### Protanopia

51.7190, 0.2993, 0.3069

### Deuteranopia

51.7956, 0.2861, 0.2793



## **Tritanopia**

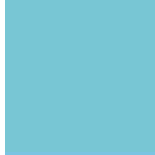
52.9910, 0.2200, 0.3054

# Trichromacy



## Original Color

52.8689, 0.2212, 0.3162



## Protanomaly

49.1347, 0.2510, 0.3097



## Deuteranomaly

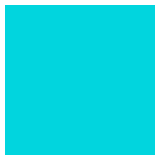
49.1084, 0.2443, 0.2891



## Tritanomaly

52.7066, 0.2202, 0.3094

# Monochromacy



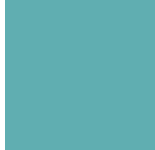
## Original Color

52.8689, 0.2212, 0.3162



## 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  $Yxy$  52.8624, 0.2212, 0.3162 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, 213, 222)` looks like.

```
.text, #text, p{  
    color:rgb(1, 213, 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, 213, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 213, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8624, 0.2212, 0.3162 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, 213, 222) }
```

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

```
.border{ border-color:rgb(1, 213, 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, 213, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 213, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 213, 222);  
box-shadow:4px 4px 4px 4px rgb(1, 213,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8624, 0.2212, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 213, 222) }
```

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

```
.background{ background-color: rgb(1, 213,  
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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