

# Converting Colors

$Yxy(44.7965, 0.2455, 0.3678)$

Have a look what the booklet for  
Yxy(44.7965, 0.2455, 0.3678)  
contains.

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# Color

**Yxy(44.8635, 0.2455, 0.3680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CC7AE
RGB	60, 199, 174
RGB Percent	24%, 78%, 68%
CMY	0.7644, 0.2196, 0.3177
CMYK	0.70, 0.00, 0.13, 0.22
HSL	169°, 55%, 51%
HSV	169°, 70%, 78%
XYZ	29.9293, 44.8635, 47.1189
YIQ	154.5890, -74.8190, -37.2430

# Conversions

## Conversions Part 2

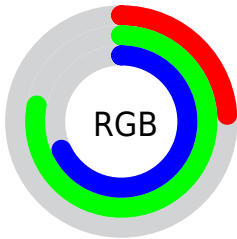
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 136, 199
Decimal	3983278
CIELab	72.80, -42.60, 1.83
CIELCh	73, 42.641, 177.542
Yxy	44.8635, 0.2455, 0.3680
Android (android.graphics.Color)	4282173358 (0xFF3CC7AE)
YUV	154.5890, 9.5696, -82.9546
Hunter-Lab	66.9802, -37.4548, 5.1772

# Details

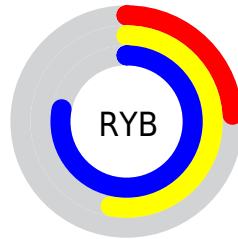
The Yxy color **44.8635, 0.2455, 0.3680** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **16.0402, 0.5045, 0.3018**, and the grayscale version is **32.5799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5371, 0.2574, 0.3597**, and **21.3517, 0.2380, 0.3768** is the 20% darker color. If you saturate the color by 10%, you get **44.2189, 0.2422, 0.3745**, and if you desaturate by 10%, it is **45.7484, 0.2507, 0.3616**.

# Distribution



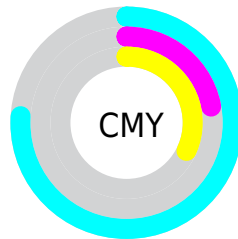
- Red (24%)
- Green (78%)
- Blue (68%)



- Red (24%)
- Yellow (53%)
- Blue (78%)



- Cyan (70%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)




- Cyan (76%)
- Magenta (22%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8635, 0.2455, 0.3680 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 44.8635, 0.2455, 0.3680 by changing the saturation by 10% instead.





 44.8635, 0.2455,  
0.3680

 44.8635, 0.2455,  
0.3680


366.2205, 0.2791,  
0.3483

 31.3499, 0.2371,  
0.3730


 82.5155, 0.2577,  
0.3608


 20.8655, 0.2264,  
0.3793


 107.4228, 0.2623,  
0.3581


 13.0257, 0.2123,  
0.3879


 136.8967, 0.2662,  
0.3558

 7.4462, 0.1927,  
0.3998

 171.3217, 0.2695,  
0.3539

 3.7427, 0.1643,  
0.4175

 211.0822, 0.2724,  
0.3522

 1.5307, 0.0923,  
0.4601

256.5626, 0.2749,


 0.3102, 0.0000,

0.3508


0.5965


308.1472, 0.2772,  
0.3495


 0.0000, 0.0000,  
0.0000


 44.8635, 0.2455,  
0.3680


 44.8635, 0.2455,  
0.3680


 44.2189, 0.2422,  
0.3745


 45.7484, 0.2507,  
0.3616


 43.7815, 0.2408,  
0.3810


 46.8917, 0.2578,  
0.3553

 43.5018, 0.2410,  
0.3874

 48.3159, 0.2665,  
0.3493

 43.4968, 0.2410,  
0.3875

 50.0393, 0.2767,  
0.3436

 52.0788, 0.2880,  
0.3383

■ 54.4503, 0.3002,  
0.3334

■ 57.1681, 0.3130,  
0.3289

■ 60.2461, 0.3261,  
0.3249

■ 63.6971, 0.3392,  
0.3213

# Harmonies

## Analogous

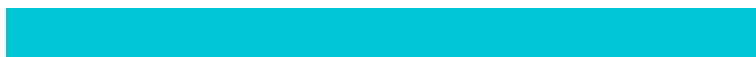
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.8635, 0.2974, 0.4207



44.8635, 0.2455, 0.3680



44.8635, 0.2133, 0.3066

# Triad

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



44.8635, 0.2455, 0.3680



44.8635, 0.2621, 0.2372



44.8635, 0.4320, 0.3819

# Complementary

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



44.8635, 0.2455, 0.3680



16.0402, 0.5045, 0.3018

# 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.



44.8635, 0.4230, 0.3355



44.8635, 0.2455, 0.3680



44.8635, 0.3192, 0.2565

# Square

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



44.8635, 0.2455, 0.3680



44.8635, 0.2225, 0.2375



44.8635, 0.3800, 0.2913



44.8635, 0.4062, 0.4213



# Rectangle

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



44.8635, 0.2455, 0.3680



44.8635, 0.2054, 0.2733



44.8635, 0.3800, 0.2913



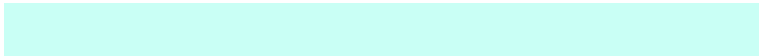
44.8635, 0.4331, 0.3666

# Sweetspot

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



44.8652, 0.2455, 0.3680



90.6144, 0.2863, 0.3391



43.1309, 0.3151, 0.5428



19.1739, 0.2830, 0.3405



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.



44.8652, 0.2455, 0.3680



76.9675, 0.2412, 0.3780



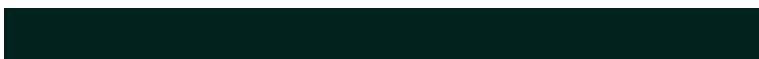
28.5329, 0.2159, 0.2577



12.0335, 0.3007, 0.3332



27.9815, 0.2407, 0.3866



1.3337, 0.2370, 0.3732



# Inverse Universe

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



16.0402, 0.5045, 0.3018



23.4020, 0.5676, 0.3057



22.3850, 0.4990, 0.3809



10.6676, 0.3262, 0.3249



7.8983, 0.6107, 0.3138

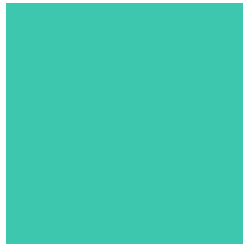


0.3838, 0.5552, 0.2832



# Previews

## White Background



This preview shows how the Yxy color 44.8635, 0.2455, 0.3680 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 44.8635, 0.2455, 0.3680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

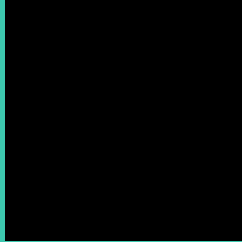
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

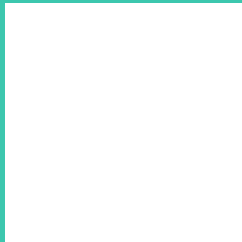
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.8635, 0.2455, 0.3680**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.8635, 0.2455, 0.3680.

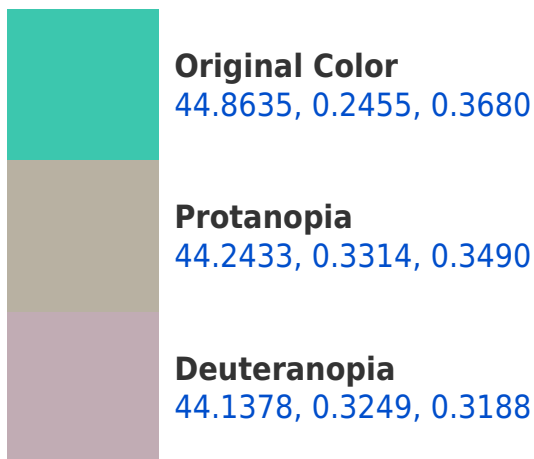


This preview shows how white text looks on a background with the Yxy color 44.8635, 0.2455, 0.3680.

# 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





## Tritanopia

44.8564, 0.2321, 0.3056

# Trichromacy



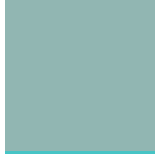
## Original Color

44.8635, 0.2455, 0.3680



## Protanomaly

42.9401, 0.2898, 0.3568



## Deuteranomaly

42.6900, 0.2857, 0.3346



## Tritanomaly

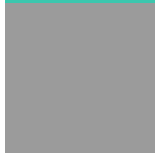
44.8507, 0.2365, 0.3273

# Monochromacy



## Original Color

44.8635, 0.2455, 0.3680



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

35.7275, 0.2769, 0.3431

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8635, 0.2455, 0.3680 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(60, 199, 174)` looks like.

```
.text, #text, p{  
    color:rgb(60, 199, 174)  
}
```

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(60, 199, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 199, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8635, 0.2455, 0.3680 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(60, 199, 174) }
```

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

```
.border{ border-color:rgb(60, 199, 174) }
```

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

Here you see how a box with a 4 pixel rgb(60, 199, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 199, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 199, 174);  
box-shadow:4px 4px 4px 4px rgb(60, 199,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8635, 0.2455, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 199, 174) }
```

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

```
.background{ background-color: rgb(60, 199,  
174) }
```

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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