

# Converting Colors

$Y_{xy}(44.8689, 0.2580, 0.4486)$

Have a look what the booklet for  
Yxy(44.8689, 0.2580, 0.4486)  
contains.

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# Color

**Yxy(44.8856, 0.2578, 0.4479)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01CC85
RGB	1, 204, 133
RGB Percent	0%, 80%, 52%
CMY	0.9977, 0.2000, 0.4784
CMYK	1.00, 0.00, 0.35, 0.20
HSL	159°, 99%, 40%
HSV	159°, 100%, 80%
XYZ	25.8350, 44.8856, 29.4928
YIQ	135.2090, -98.1970, -65.1170

# Conversions

## Conversions Part 2

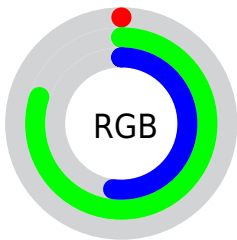
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 124, 204
Decimal	117893
CIELab	72.82, -58.94, 23.73
CIELCh	73, 63.539, 158.073
Yxy	44.8856, 0.2578, 0.4479
Android (android.graphics.Color)	4278307973 (0xFF01CC85)
YUV	135.2090, -1.0890, -117.7013
Hunter-Lab	66.9967, -48.4117, 20.7975

# Details

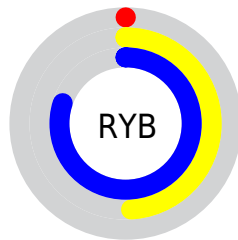
The Yxy color **44.8856, 0.2578, 0.4479** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.3139, 0.5589, 0.2855**, and the grayscale version is **24.2948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9326, 0.2677, 0.4155**, and **21.8043, 0.2658, 0.4770** is the 20% darker color. If you saturate the color by 10%, you get **44.8780, 0.2579, 0.4483**, and if you desaturate by 10%, it is **45.2464, 0.2560, 0.4347**.

# Distribution



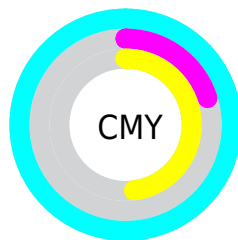
- Red (0%)
- Green (80%)
- Blue (52%)



- Red (0%)
- Yellow (49%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8856, 0.2578, 0.4479 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 44.8856, 0.2578, 0.4479 by changing the saturation by 10% instead.




 44.8856, 0.2578,  
0.4479

 44.8856, 0.2578,  
0.4479


366.3100, 0.2874,  
0.3839

 31.3673, 0.2497,  
0.4654


 82.5487, 0.2691,  
0.4235

 20.8787, 0.2389,  
0.4886


 107.4623, 0.2731,  
0.4147

 13.0354, 0.2239,  
0.5211


 136.9432, 0.2765,  
0.4074

 7.4529, 0.2017,  
0.5689

 171.3757, 0.2794,  
0.4012

 3.7469, 0.1665,  
0.6447

 211.1443, 0.2818,  
0.3959

 1.5330, 0.0000,  
1.0000

256.6332, 0.2839,

 0.3118, 0.0000,

0.3914

1.0000

308.2270, 0.2858,  
0.3874

■ 0.0000, 0.0000,  
0.0000

■ 44.8856, 0.2578,  
0.4479

■ 44.8856, 0.2578,  
0.4479

■ 44.8780, 0.2579,  
0.4483

■ 45.2464, 0.2560,  
0.4347

■ 45.7837, 0.2559,  
0.4213

■ 46.5526, 0.2578,  
0.4078

■ 47.5828, 0.2617,  
0.3945

■ 48.8992, 0.2674,  
0.3816

■ 50.5241, 0.2746,  
0.3693

■ 52.4773, 0.2831,  
0.3578

■ 54.7768, 0.2925,  
0.3472

■ 57.4396, 0.3026,  
0.3375

# Harmonies

## Analogous

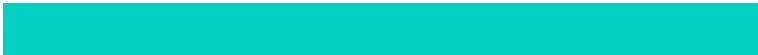
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.8856, 0.3404, 0.4951



44.8856, 0.2578, 0.4479



44.8856, 0.1950, 0.3515

# Triad

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



44.8856, 0.2578, 0.4479



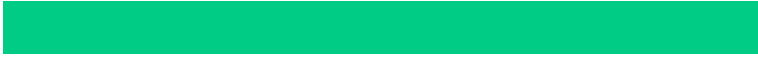
44.8856, 0.2006, 0.1970



44.8856, 0.4867, 0.3543

# Complementary

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



44.8856, 0.2578, 0.4479



13.3139, 0.5589, 0.2855

# 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.



44.8856, 0.4400, 0.2933



44.8856, 0.2578, 0.4479



44.8856, 0.2644, 0.2077

# Square

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



44.8856, 0.2578, 0.4479



44.8856, 0.1677, 0.2138



44.8856, 0.3530, 0.2417



44.8856, 0.4760, 0.4181



# Rectangle

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



44.8856, 0.2578, 0.4479



44.8856, 0.1713, 0.2898



44.8856, 0.3530, 0.2417



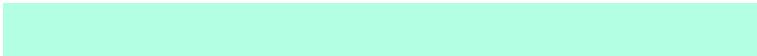
44.8856, 0.4775, 0.3334

# Sweetspot

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



44.8874, 0.2578, 0.4479



86.6622, 0.2825, 0.3586



44.5607, 0.3185, 0.5851



18.2424, 0.2788, 0.3634



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.



44.8874, 0.2578, 0.4479



74.2729, 0.2583, 0.4499



34.4413, 0.2113, 0.2805



12.6579, 0.3029, 0.3372



28.2621, 0.2573, 0.4464



1.4720, 0.2502, 0.4206



# Inverse Universe

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



13.3139, 0.5589, 0.2855



21.9814, 0.5630, 0.2875



13.8250, 0.6261, 0.3408



11.2773, 0.3236, 0.3209



8.3840, 0.5561, 0.2837

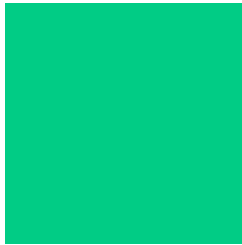


0.4468, 0.5012, 0.2535



# Previews

## White Background



This preview shows how the Yxy color 44.8856, 0.2578, 0.4479 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 44.8856, 0.2578, 0.4479 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 44.8856, 0.2578, 0.4479**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.8856, 0.2578, 0.4479.

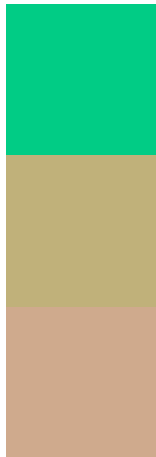


This preview shows how white text looks on a background with the Yxy color 44.8856, 0.2578, 0.4479.

# 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

44.8856, 0.2578, 0.4479

### Protanopia

44.0559, 0.3732, 0.4013

### Deuteranopia

43.9379, 0.3738, 0.3656



## Tritanopia

44.5763, 0.2298, 0.3055

# Trichromacy



## Original Color

44.8856, 0.2578, 0.4479



## Protanomaly

41.1846, 0.3052, 0.4251



## Deuteranomaly

40.1964, 0.3046, 0.3972



## Tritanomaly

44.3235, 0.2372, 0.3538

# Monochromacy



## Original Color

44.8856, 0.2578, 0.4479



## Achromatopsia

24.2281, 0.3127, 0.3290



## Achromatomaly

28.8413, 0.2704, 0.3766

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8856, 0.2578, 0.4479 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, 204, 133)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 133)  
}
```

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, 204, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8856, 0.2578, 0.4479 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, 204, 133) }
```

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

```
.border{ border-color:rgb(1, 204, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 204, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 133);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8856, 0.2578, 0.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 133) }
```

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

```
.background{ background-color: rgb(1, 204,  
133) }
```

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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