

# Converting Colors

$Y_{xy}(43.8579, 0.2627, 0.4470)$

Have a look what the booklet for  
Yxy(43.8579, 0.2627, 0.4470)  
contains.

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# Color

**Yxy(43.8241, 0.2626, 0.4464)**

# Conversions

## Conversions Part 1

Format	Color
Hex	26C983
RGB	38, 201, 131
RGB Percent	15%, 79%, 51%
CMY	0.8512, 0.2117, 0.4863
CMYK	0.81, 0.00, 0.35, 0.21
HSL	154°, 68%, 47%
HSV	154°, 81%, 79%
XYZ	25.7800, 43.8241, 28.5681
YIQ	144.2830, -74.6780, -56.3260

# Conversions

## Conversions Part 2

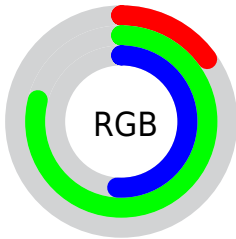
Format	Color
<b>RYB</b>	38, 142, 201
Decimal	2541955
CIELab	72.11, -56.13, 23.88
CIELCh	72, 60.998, 156.955
Yxy	43.8241, 0.2626, 0.4464
Android (android.graphics.Color)	4280732035 (0xFF26C983)
YUV	144.2830, -6.5485, -93.2102
Hunter-Lab	66.1998, -46.3367, 20.7536

# Details

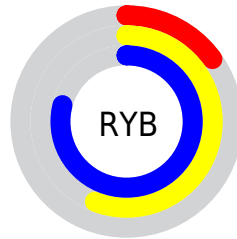
The Yxy color **43.8241, 0.2626, 0.4464** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark muted spring green. A complement of this color would be **14.8822, 0.4742, 0.2567**, and the grayscale version is **28.0520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4254, 0.2728, 0.4187**, and **21.1518, 0.2664, 0.4789** is the 20% darker color. If you saturate the color by 10%, you get **43.3177, 0.2636, 0.4629**, and if you desaturate by 10%, it is **44.5595, 0.2636, 0.4296**.

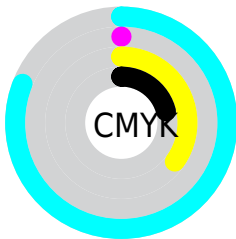
# Distribution



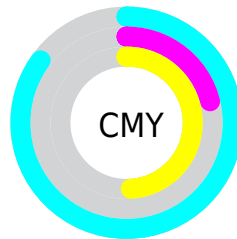
- Red (15%)
- Green (79%)
- Blue (51%)



- Red (15%)
- Yellow (56%)
- Blue (79%)



- Cyan (81%)
- Magenta (0%)
- Yellow (35%)
- Black (21%)



- Cyan (85%)
- Magenta (21%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8241, 0.2626, 0.4464 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 43.8241, 0.2626, 0.4464 by changing the saturation by 10% instead.





 43.8241, 0.2626,  
0.4464


 43.8241, 0.2626,  
0.4464


361.9900, 0.2899,  
0.3830


 30.5322, 0.2550,  
0.4638


 80.9530, 0.2731,  
0.4222

 20.2429, 0.2449,  
0.4870


 105.5588, 0.2768,  
0.4135


 12.5718, 0.2306,  
0.5194


 134.7048, 0.2799,  
0.4062

 7.1343, 0.2093,  
0.5675

 168.7752, 0.2826,  
0.4001

 3.5462, 0.1747,  
0.6443

 208.1546, 0.2848,  
0.3949

 1.4231, 0.0000,  
1.0000

253.2272, 0.2867,


 0.2337, 0.0000,


0.3904


1.0000


304.3776, 0.2884,  
0.3865

 0.0000, 0.0000,  
0.0000


 43.8241, 0.2626,  
0.4464


 43.8241, 0.2626,  
0.4464


 43.3177, 0.2636,  
0.4629


 44.5595, 0.2636,  
0.4296

 43.0076, 0.2659,  
0.4771

 45.5481, 0.2666,  
0.4129

 46.8167, 0.2713,  
0.3966

 48.3871, 0.2776,  
0.3811

 50.2788, 0.2851,  
0.3666

■ 52.5099, 0.2934,  
0.3533

■ 55.0967, 0.3024,  
0.3411

■ 58.0549, 0.3117,  
0.3302

■ 61.3988, 0.3210,  
0.3204

# Harmonies

## Analogous

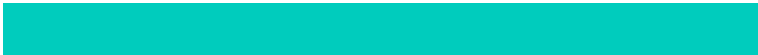
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.8241, 0.3432, 0.4897



43.8241, 0.2626, 0.4464



43.8241, 0.2002, 0.3546

# Triad

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



43.8241, 0.2626, 0.4464



43.8241, 0.2020, 0.2006



43.8241, 0.4807, 0.3520

# Complementary

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



43.8241, 0.2626, 0.4464



14.8822, 0.4742, 0.2567

# 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.



43.8241, 0.4333, 0.2925



43.8241, 0.2626, 0.4464



43.8241, 0.2632, 0.2100

# Square

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



43.8241, 0.2626, 0.4464



43.8241, 0.1708, 0.2184



43.8241, 0.3485, 0.2425



43.8241, 0.4727, 0.4142



# Rectangle

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



43.8241, 0.2626, 0.4464



43.8241, 0.1761, 0.2945



43.8241, 0.3485, 0.2425



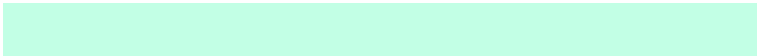
43.8241, 0.4708, 0.3316

# Sweetspot

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



43.8258, 0.2626, 0.4464



88.6046, 0.2907, 0.3574



45.1420, 0.3364, 0.5523



18.6698, 0.2877, 0.3623



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.



43.8258, 0.2626, 0.4464



73.7328, 0.2655, 0.4745



41.5139, 0.2239, 0.3121



11.9876, 0.3040, 0.3391



27.0580, 0.2652, 0.4748



1.2955, 0.2559, 0.4411



# Inverse Universe

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



14.8822, 0.4742, 0.2567



22.6377, 0.5224, 0.2666



14.7384, 0.5856, 0.3381



10.7113, 0.3224, 0.3191



8.2508, 0.5235, 0.2658

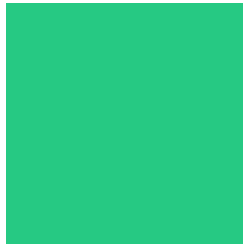


0.4051, 0.4709, 0.2368



# Previews

## White Background



This preview shows how the Yxy color 43.8241, 0.2626, 0.4464 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 43.8241, 0.2626, 0.4464 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 43.8241, 0.2626, 0.4464**

## Background



This preview shows how black text looks on a background with the Yxy color 43.8241, 0.2626, 0.4464.



This preview shows how white text looks on a background with the Yxy color 43.8241, 0.2626, 0.4464.

# 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

43.8241, 0.2626, 0.4464

### Protanopia

42.9632, 0.3739, 0.4020

### Deuteranopia

42.8194, 0.3754, 0.3673



## Tritanopia

43.8240, 0.2328, 0.3069

# Trichromacy



## Original Color

43.8241, 0.2626, 0.4464



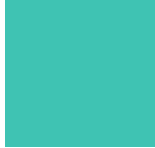
## Protanomaly

40.8871, 0.3172, 0.4215



## Deuteranomaly

40.3211, 0.3171, 0.3972



## Tritanomaly

43.3416, 0.2425, 0.3538

# Monochromacy



## Original Color

43.8241, 0.2626, 0.4464



## Achromatopsia

27.8894, 0.3127, 0.3290



## Achromatomaly

31.7776, 0.2816, 0.3738

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8241, 0.2626, 0.4464 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(38, 201, 131)` looks like.

```
.text, #text, p{  
    color:rgb(38, 201, 131)  
}
```

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(38, 201, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 201, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8241, 0.2626, 0.4464 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(38, 201, 131) }
```

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

```
.border{ border-color:rgb(38, 201, 131) }
```

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

Here you see how a box with a 4 pixel rgb(38, 201, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 201, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 201, 131);  
box-shadow:4px 4px 4px 4px rgb(38, 201,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.8241, 0.2626, 0.4464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 201, 131) }
```

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

```
.background{ background-color: rgb(38, 201,  
131) }
```

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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