

# Converting Colors

$Yxy(44.5506, 0.2430, 0.3948)$

Have a look what the booklet for  
Yxy(44.5506, 0.2430, 0.3948)  
contains.

<b>Yxy(44.3465, 0.2428, 0.3942)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(44.3465, 0.2428, 0.3942)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C9A1
RGB	0, 201, 161
RGB Percent	0%, 79%, 63%
CMY	1.0000, 0.2117, 0.3686
CMYK	1.00, 0.00, 0.20, 0.21
HSL	168°, 100%, 39%
HSV	168°, 100%, 79%
XYZ	27.3144, 44.3465, 40.8366
YIQ	136.3410, -106.9560, -55.0520

# Conversions

## Conversions Part 2

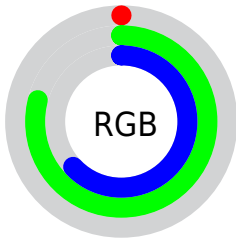
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 112, 201
Decimal	51617
CIELab	72.46, -51.34, 8.28
CIELCh	72, 52.000, 170.832
Yxy	44.3465, 0.2428, 0.3942
Android (android.graphics.Color)	4278241697 (0xFF00C9A1)
YUV	136.3410, 12.1569, -119.5711
Hunter-Lab	66.5932, -43.3231, 10.2571

# Details

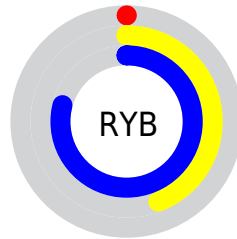
The Yxy color **44.3465, 0.2428, 0.3942** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.5723, 0.6089, 0.3128**, and the grayscale version is **24.7409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3026, 0.2549, 0.3769**, and **21.6619, 0.2476, 0.4113** is the 20% darker color. If you saturate the color by 10%, you get **44.3515, 0.2428, 0.3942**, and if you desaturate by 10%, it is **44.6448, 0.2425, 0.3870**.

# Distribution



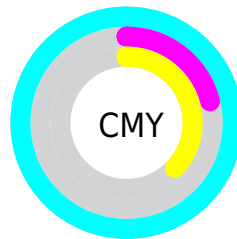
- Red (0%)
- Green (79%)
- Blue (63%)



- Red (0%)
- Yellow (44%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3465, 0.2428, 0.3942 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 44.3465, 0.2428, 0.3942 by changing the saturation by 10% instead.





 44.3465, 0.2428,  
0.3942


 44.3465, 0.2428,  
0.3942

364.1204, 0.2783,  
0.3603


 30.9430, 0.2338,  
0.4031


 81.7389, 0.2558,  
0.3815


 20.5555, 0.2222,  
0.4148


 106.4966, 0.2607,  
0.3769

 12.7994, 0.2067,  
0.4307


 135.8078, 0.2648,  
0.3730

 7.2906, 0.1850,  
0.4538

 170.0569, 0.2683,  
0.3697

 3.6445, 0.1531,  
0.4897

 209.6283, 0.2713,  
0.3668

 1.4768, 0.0235,  
0.6010

254.9064, 0.2739,

 0.2723, 0.0000,

0.3644

1.0000

306.2757, 0.2763,  
0.3622

■ 0.0000, 0.0000,  
0.0000

■ 44.3465, 0.2428,  
0.3942

■ 44.3465, 0.2428,  
0.3942

■ 44.3515, 0.2428,  
0.3942

■ 44.6448, 0.2425,  
0.3870

■ 45.0982, 0.2437,  
0.3798

■ 45.7657, 0.2468,  
0.3725

■ 46.6760, 0.2518,  
0.3654

■ 47.8530, 0.2587,  
0.3584

■ 49.3180, 0.2672,  
0.3517

■ 51.0899, 0.2772,  
0.3453

■ 53.1862, 0.2883,  
0.3394

■ 55.6229, 0.3002,  
0.3340

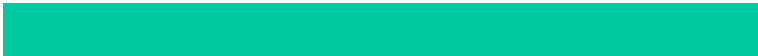
# Harmonies

## Analogous

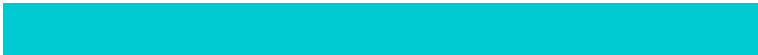
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.3465, 0.3082, 0.4534



44.3465, 0.2428, 0.3942



44.3465, 0.1994, 0.3158

# Triad

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



44.3465, 0.2428, 0.3942



44.3465, 0.2386, 0.2178



44.3465, 0.4593, 0.3772

# Complementary

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



44.3465, 0.2428, 0.3942



12.5723, 0.6089, 0.3128

# 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.



44.3465, 0.4393, 0.3225



44.3465, 0.2428, 0.3942



44.3465, 0.3031, 0.2359

# Square

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



44.3465, 0.2428, 0.3942



44.3465, 0.1982, 0.2227



44.3465, 0.3789, 0.2729



44.3465, 0.4348, 0.4289



# Rectangle

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



44.3465, 0.2428, 0.3942



44.3465, 0.1864, 0.2720



44.3465, 0.3789, 0.2729



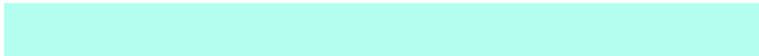
44.3465, 0.4579, 0.3588

# Sweetspot

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



44.3515, 0.2428, 0.3942



87.3220, 0.2767, 0.3456



42.2336, 0.3066, 0.5948



18.4008, 0.2724, 0.3483



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.



44.3515, 0.2428, 0.3942



75.8912, 0.2431, 0.3952



23.1812, 0.1965, 0.2275



12.0300, 0.3010, 0.3336



27.8964, 0.2425, 0.3932



1.3304, 0.2384, 0.3782



# Inverse Universe

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



12.5723, 0.6089, 0.3128



21.4969, 0.6118, 0.3144



15.6826, 0.5971, 0.3641



10.6709, 0.3259, 0.3244



7.9146, 0.6057, 0.3111

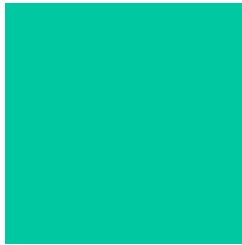


0.3853, 0.5479, 0.2792



# Previews

## White Background



This preview shows how the Yxy color 44.3465, 0.2428, 0.3942 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 44.3465, 0.2428, 0.3942 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

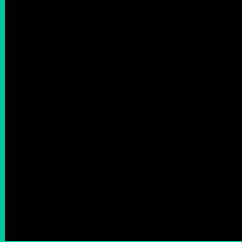
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

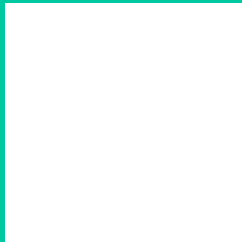
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.3465, 0.2428, 0.3942**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.3465, 0.2428, 0.3942.

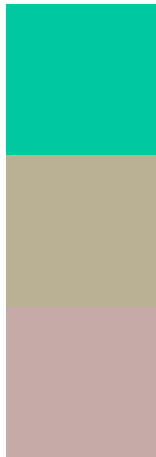


This preview shows how white text looks on a background with the Yxy color 44.3465, 0.2428, 0.3942.

# 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

44.3465, 0.2428, 0.3942

### Protanopia

43.6279, 0.3455, 0.3666

### Deuteranopia

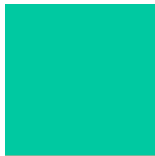
43.4469, 0.3394, 0.3316



## Tritanopia

44.2288, 0.2268, 0.3053

# Trichromacy



## Original Color

44.3465, 0.2428, 0.3942



## Protanomaly

40.8494, 0.2835, 0.3788



## Deuteranomaly

40.1243, 0.2798, 0.3533



## Tritanomaly

44.1696, 0.2309, 0.3364

# Monochromacy



## Original Color

44.3465, 0.2428, 0.3942



## Achromatopsia

24.6201, 0.3127, 0.3290



## Achromatomaly

29.2122, 0.2632, 0.3558

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3465, 0.2428, 0.3942 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(0, 201, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 161)  
}
```

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(0, 201, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3465, 0.2428, 0.3942 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(0, 201, 161) }
```

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

```
.border{ border-color:rgb(0, 201, 161) }
```

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

Here you see how a box with a 4 pixel rgb(0, 201, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3465, 0.2428, 0.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 161) }
```

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

```
.background{ background-color: rgb(0, 201,  
161) }
```

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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