

# Converting Colors

$Y_{xy}(41.3710, 0.2441, 0.3963)$

Have a look what the booklet for  
Yxy(41.3710, 0.2441, 0.3963)  
contains.

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# Color

**Yxy(41.4548, 0.2441, 0.3961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	09C39B
RGB	9, 195, 155
RGB Percent	4%, 76%, 61%
CMY	0.9628, 0.2353, 0.3922
CMYK	0.95, 0.00, 0.21, 0.24
HSL	167°, 91%, 40%
HSV	167°, 95%, 76%
XYZ	25.5469, 41.4548, 37.6557
YIQ	134.8260, -98.0160, -51.8720

# Conversions

## Conversions Part 2

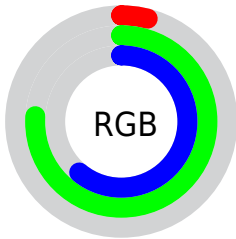
<b>Format</b>	<b>Color</b>
<b>RYB</b>	9, 113, 195
Decimal	639899
CIELab	70.49, -50.14, 8.74
CIElCh	70, 50.894, 170.110
Yxy	41.4548, 0.2441, 0.3961
Android (android.graphics.Color)	4278829979 (0xFF09C39B)
YUV	134.8260, 9.9458, -110.3494
Hunter-Lab	64.3854, -41.8491, 10.3941

# Details

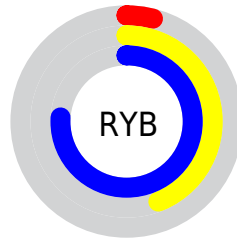
The Yxy color **41.4548, 0.2441, 0.3961** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.0336, 0.5901, 0.3064**, and the grayscale version is **24.2049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6788, 0.2575, 0.3839**, and **19.7556, 0.2479, 0.4123** is the 20% darker color. If you saturate the color by 10%, you get **41.3271, 0.2444, 0.3999**, and if you desaturate by 10%, it is **41.7999, 0.2442, 0.3882**.

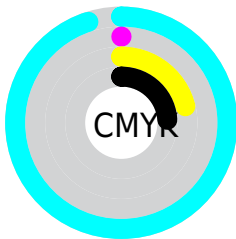
# Distribution



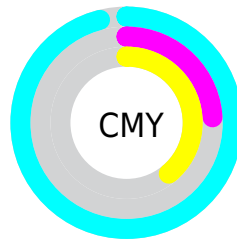
- Red (4%)
- Green (76%)
- Blue (61%)



- Red (4%)
- Yellow (44%)
- Blue (76%)



- Cyan (95%)
- Magenta (0%)
- Yellow (21%)
- Black (24%)




- Cyan (96%)
- Magenta (24%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4548, 0.2441, 0.3961 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 41.4548, 0.2441, 0.3961 by changing the saturation by 10% instead.




 41.4548, 0.2441,  
0.3961


 41.4548, 0.2441,  
0.3961


352.2179, 0.2794,  
0.3607


 28.6746, 0.2350,  
0.4055


 77.3738, 0.2572,  
0.3828


 18.8348, 0.2232,  
0.4180


 101.2814, 0.2620,  
0.3779


 11.5510, 0.2072,  
0.4353


 129.6670, 0.2661,  
0.3739

 6.4387, 0.1846,  
0.4607

 162.9149, 0.2695,  
0.3704

 3.1136, 0.1506,  
0.5011

 201.4096, 0.2725,  
0.3675

 1.1913, 0.0000,  
0.6457

245.5354, 0.2751,

 0.0546, 0.0000,

0.3649

1.0000

295.6767, 0.2774,  
0.3627

■ 0.0000, 0.0000,  
0.0000

■ 41.4548, 0.2441,  
0.3961

■ 41.4548, 0.2441,  
0.3961

■ 41.3271, 0.2444,  
0.3999

■ 41.7999, 0.2442,  
0.3882

■ 42.3279, 0.2462,  
0.3803

■ 43.0698, 0.2502,  
0.3725

■ 44.0498, 0.2560,  
0.3647

■ 45.2889, 0.2636,  
0.3573

■ 46.8056, 0.2727,  
0.3502

■ 48.6169, 0.2831,  
0.3435

■ 50.7381, 0.2944,  
0.3373

■ 53.1839, 0.3064,  
0.3317

# Harmonies

## Analogous

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



41.4548, 0.3099, 0.4543



41.4548, 0.2441, 0.3961



41.4548, 0.2000, 0.3176

# Triad

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



41.4548, 0.2441, 0.3961



41.4548, 0.2372, 0.2175



41.4548, 0.4595, 0.3759

# Complementary

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



41.4548, 0.2441, 0.3961



12.0336, 0.5901, 0.3064

# 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.



41.4548, 0.4384, 0.3212



41.4548, 0.2441, 0.3961



41.4548, 0.3013, 0.2351

# Square

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



41.4548, 0.2441, 0.3961



41.4548, 0.1975, 0.2231



41.4548, 0.3772, 0.2718



41.4548, 0.4359, 0.4278



# Rectangle

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



41.4548, 0.2441, 0.3961



41.4548, 0.1866, 0.2733



41.4548, 0.3772, 0.2718



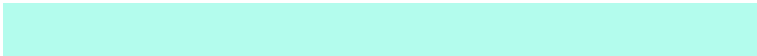
41.4548, 0.4577, 0.3575

# Sweetspot

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



41.4564, 0.2441, 0.3961



85.6105, 0.2785, 0.3463



39.7200, 0.3095, 0.5891



18.4465, 0.2740, 0.3493



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.



41.4564, 0.2441, 0.3961



73.9807, 0.2448, 0.4011



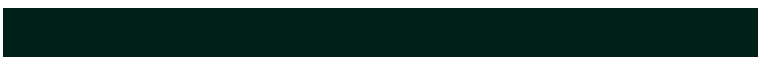
23.4768, 0.2005, 0.2388



11.3900, 0.3012, 0.3340



26.8738, 0.2441, 0.3988



1.1706, 0.2393, 0.3814



# Inverse Universe

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



12.0336, 0.5901, 0.3064



21.0502, 0.6073, 0.3119



15.0726, 0.5886, 0.3653



10.1127, 0.3256, 0.3241



7.6601, 0.6009, 0.3084

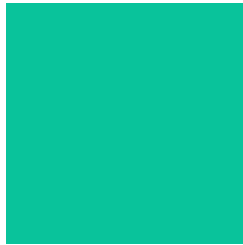


0.3415, 0.5376, 0.2735



# Previews

## White Background



This preview shows how the Yxy color 41.4548, 0.2441, 0.3961 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 41.4548, 0.2441, 0.3961 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

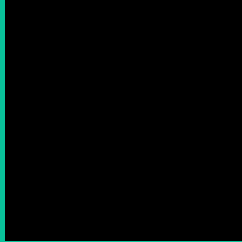
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.4548, 0.2441, 0.3961**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.4548, 0.2441, 0.3961.

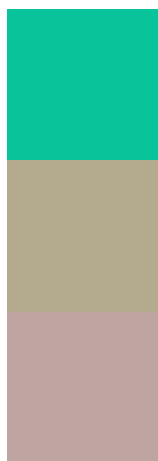


This preview shows how white text looks on a background with the Yxy color 41.4548, 0.2441, 0.3961.

# 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

41.4548, 0.2441, 0.3961

### Protanopia

40.8123, 0.3454, 0.3677

### Deuteranopia

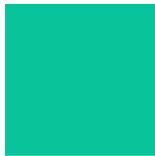
40.5953, 0.3402, 0.3330



## Tritanopia

41.2867, 0.2269, 0.3047

# Trichromacy



## Original Color

41.4548, 0.2441, 0.3961



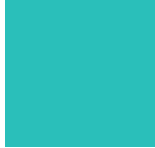
## Protanomaly

38.6007, 0.2872, 0.3815



## Deuteranomaly

37.9138, 0.2835, 0.3554



## Tritanomaly

41.2990, 0.2319, 0.3367

# Monochromacy



## Original Color

41.4548, 0.2441, 0.3961



## Achromatopsia

24.2281, 0.3127, 0.3290



## Achromatomaly

28.1908, 0.2660, 0.3561

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4548, 0.2441, 0.3961 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(9, 195, 155)` looks like.

```
.text, #text, p{  
    color:rgb(9, 195, 155)  
}
```

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(9, 195, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 195, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4548, 0.2441, 0.3961 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(9, 195, 155) }
```

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

```
.border{ border-color:rgb(9, 195, 155) }
```

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

Here you see how a box with a 4 pixel rgb(9, 195, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 195, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 195, 155);  
box-shadow:4px 4px 4px 4px rgb(9, 195,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4548, 0.2441, 0.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 195, 155) }
```

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

```
.background{ background-color: rgb(9, 195,  
155) }
```

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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