

# Converting Colors

$Yxy(44.0238, 0.2396, 0.3494)$

Have a look what the booklet for  
Yxy(44.0238, 0.2396, 0.3494)  
contains.

<b>Yxy(43.8286, 0.2396, 0.3490)</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(43.8286, 0.2396, 0.3490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BC4B7
RGB	59, 196, 183
RGB Percent	23%, 77%, 72%
CMY	0.7686, 0.2314, 0.2824
CMYK	0.70, 0.00, 0.07, 0.23
HSL	174°, 54%, 50%
HSV	174°, 70%, 77%
XYZ	30.0898, 43.8286, 51.6650
YIQ	153.5550, -77.4790, -33.0870

# Conversions

## Conversions Part 2

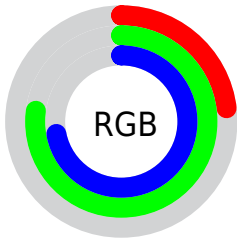
Format	Color
<a href="#">RYB</a>	<a href="#">59, 131, 196</a>
Decimal	<a href="#">3916983</a>
CIELab	<a href="#">72.11, -39.03, -4.07</a>
CIELCh	<a href="#">72, 39.241, 185.959</a>
Yxy	<a href="#">43.8286, 0.2396, 0.3490</a>
Android (android.graphics.Color)	<a href="#">4282107063 (0xFF3BC4B7)</a>
YUV	<a href="#">153.5550, 14.5164, -82.9247</a>
Hunter-Lab	<a href="#">66.2032, -34.7261, 0.0723</a>

# Details

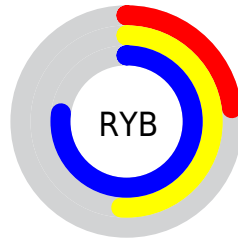
The Yxy color **43.8286, 0.2396, 0.3490** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.3339, 0.5249, 0.3156**, and the grayscale version is **32.0725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8425, 0.2527, 0.3453**, and **20.6615, 0.2313, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **43.2624, 0.2357, 0.3523**, and if you desaturate by 10%, it is **44.6239, 0.2454, 0.3458**.

# Distribution



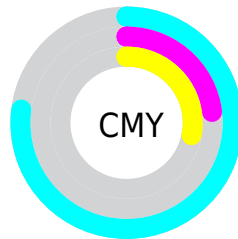
- Red (23%)
- Green (77%)
- Blue (72%)



- Red (23%)
- Yellow (51%)
- Blue (77%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (23%)




- Cyan (77%)
- Magenta (23%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8286, 0.2396, 0.3490 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 43.8286, 0.2396, 0.3490 by changing the saturation by 10% instead.





 43.8286, 0.2396,  
0.3490

 43.8286, 0.2396,  
0.3490


362.0084, 0.2759,  
0.3395


 30.5358, 0.2307,  
0.3512


 80.9598, 0.2527,  
0.3457


 20.2456, 0.2193,  
0.3539

 105.5669, 0.2577,  
0.3444


 12.5737, 0.2043,  
0.3573


 134.7143, 0.2619,  
0.3433

 7.1357, 0.1839,  
0.3616

 168.7863, 0.2655,  
0.3423

 3.5471, 0.1546,  
0.3669

 208.1673, 0.2686,  
0.3415

 1.4236, 0.0865,  
0.3827

253.2417, 0.2714,

 0.2340, 0.0000,

0.3407

0.3025

304.3939, 0.2738,  
0.3401

0.0000, 0.0000,  
0.0000

43.8286, 0.2396,  
0.3490

43.8286, 0.2396,  
0.3490

43.2624, 0.2357,  
0.3523

44.6239, 0.2454,  
0.3458

42.8937, 0.2336,  
0.3555

45.6659, 0.2531,  
0.3426

42.6733, 0.2330,  
0.3587

46.9760, 0.2626,  
0.3395

42.6712, 0.2330,  
0.3587

48.5721, 0.2735,  
0.3366

50.4705, 0.2857,  
0.3339

■ 52.6862, 0.2990,  
0.3313

■ 55.2332, 0.3129,  
0.3290

■ 58.1248, 0.3272,  
0.3269

■ 61.3735, 0.3417,  
0.3250

# Harmonies

## Analogous

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



43.8286, 0.2840, 0.4023



43.8286, 0.2396, 0.3490



43.8286, 0.2155, 0.2946

# Triad

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



43.8286, 0.2396, 0.3490



43.8286, 0.2794, 0.2464



43.8286, 0.4199, 0.3904

# Complementary

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



43.8286, 0.2396, 0.3490



15.3339, 0.5249, 0.3156

# 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.



43.8286, 0.4208, 0.3479



43.8286, 0.2396, 0.3490



43.8286, 0.3353, 0.2691

# Square

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



43.8286, 0.2396, 0.3490



43.8286, 0.2369, 0.2413



43.8286, 0.3888, 0.3050



43.8286, 0.3888, 0.4225



# Rectangle

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



43.8286, 0.2396, 0.3490



43.8286, 0.2124, 0.2672



43.8286, 0.3888, 0.3050



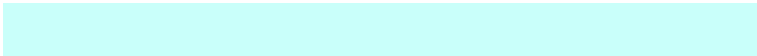
43.8286, 0.4240, 0.3768

# Sweetspot

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



43.8303, 0.2396, 0.3490



90.8965, 0.2839, 0.3342



41.2029, 0.3087, 0.5470



19.2419, 0.2804, 0.3350



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.



43.8303, 0.2396, 0.3490



77.9649, 0.2343, 0.3540



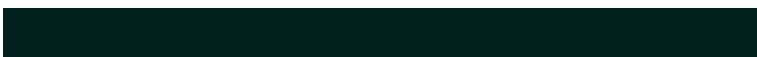
24.0271, 0.2109, 0.2377



11.4114, 0.2997, 0.3312



27.4237, 0.2329, 0.3583



1.1898, 0.2309, 0.3511



# Inverse Universe

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



15.3339, 0.5249, 0.3156



23.1707, 0.5898, 0.3187



24.0440, 0.4859, 0.3953



10.0931, 0.3274, 0.3268



7.5760, 0.6278, 0.3232

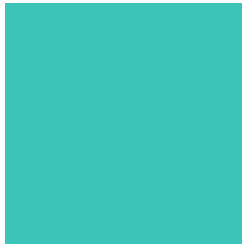


0.3327, 0.5889, 0.3018



# Previews

## White Background



This preview shows how the Yxy color 43.8286, 0.2396, 0.3490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

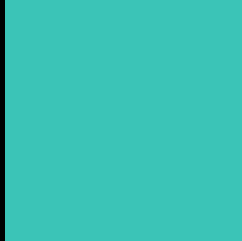
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.8286, 0.2396, 0.3490 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

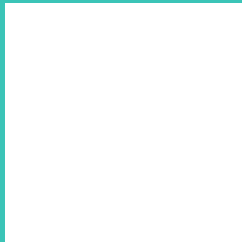
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.8286, 0.2396, 0.3490**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.8286, 0.2396, 0.3490.

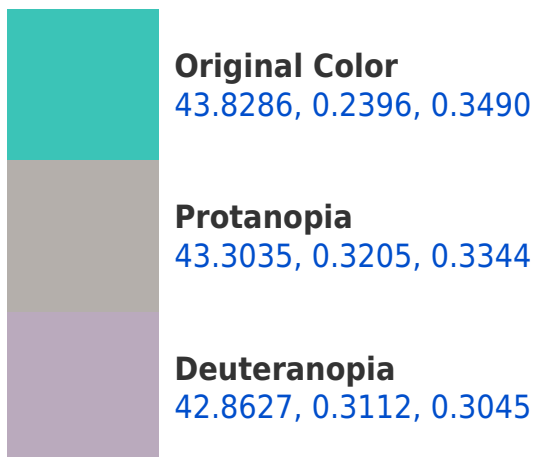


This preview shows how white text looks on a background with the Yxy color 43.8286, 0.2396, 0.3490.

# 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

43.6311, 0.2303, 0.3053

# Trichromacy



## Original Color

43.8286, 0.2396, 0.3490



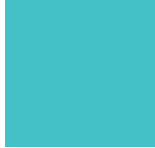
## Protanomaly

42.1964, 0.2811, 0.3406



## Deuteranomaly

41.4035, 0.2753, 0.3175



## Tritanomaly

43.4567, 0.2332, 0.3198

# Monochromacy



## Original Color

43.8286, 0.2396, 0.3490



## Achromatopsia

32.3143, 0.3127, 0.3290



## Achromatomaly

35.0145, 0.2737, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8286, 0.2396, 0.3490 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(59, 196, 183)` looks like.

```
.text, #text, p{  
    color:rgb(59, 196, 183)  
}
```

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(59, 196, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 196, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8286, 0.2396, 0.3490 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(59, 196, 183) }
```

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

```
.border{ border-color:rgb(59, 196, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 196, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 196, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 196, 183);  
box-shadow:4px 4px 4px 4px rgb(59, 196,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.8286, 0.2396, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 196, 183) }
```

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

```
.background{ background-color: rgb(59, 196,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor