

# Converting Colors

$Yxy(44.0697, 0.2588, 0.4364)$

Have a look what the booklet for  
Yxy(44.0697, 0.2588, 0.4364)  
contains.

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# Color

**Yxy(43.9195, 0.2587, 0.4359)**

# Conversions

## Conversions Part 1

Format	Color
Hex	22C989
RGB	34, 201, 137
RGB Percent	13%, 79%, 54%
CMY	0.8660, 0.2118, 0.4627
CMYK	0.83, 0.00, 0.32, 0.21
HSL	157°, 71%, 46%
HSV	157°, 83%, 79%
XYZ	26.0656, 43.9195, 30.7709
YIQ	143.7710, -78.9880, -55.3080

# Conversions

## Conversions Part 2

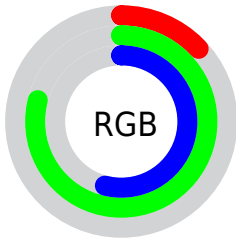
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 137, 201
Decimal	2279817
CIELab	72.17, -55.22, 20.78
CIELCh	72, 58.996, 159.378
Yxy	43.9195, 0.2587, 0.4359
Android (android.graphics.Color)	4280469897 (0xFF22C989)
YUV	143.7710, -3.3381, -96.2692
Hunter-Lab	66.2718, -45.7693, 18.8611

# Details

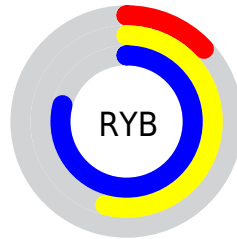
The Yxy color **43.9195, 0.2587, 0.4359** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark muted spring green. A complement of this color would be **14.4553, 0.4950, 0.2662**, and the grayscale version is **27.8503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5966, 0.2688, 0.4095**, and **21.2459, 0.2624, 0.4646** is the 20% darker color. If you saturate the color by 10%, you get **43.4588, 0.2597, 0.4506**, and if you desaturate by 10%, it is **44.5992, 0.2597, 0.4210**.

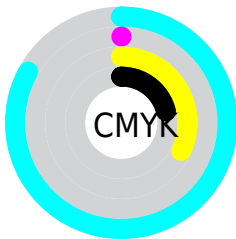
# Distribution



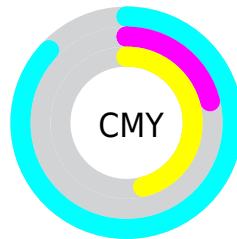
- Red (13%)
- Green (79%)
- Blue (54%)



- Red (13%)
- Yellow (54%)
- Blue (79%)



- Cyan (83%)
- Magenta (0%)
- Yellow (32%)
- Black (21%)




- Cyan (87%)
- Magenta (21%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9195, 0.2587, 0.4359 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 43.9195, 0.2587, 0.4359 by changing the saturation by 10% instead.




 43.9195, 0.2587,  
0.4359


 43.9195, 0.2587,  
0.4359


362.3797, 0.2876,  
0.3785


 30.6072, 0.2509,  
0.4516


 81.0966, 0.2696,  
0.4140


 20.2999, 0.2405,  
0.4725


 105.7302, 0.2736,  
0.4061

 12.6133, 0.2261,  
0.5017


 134.9064, 0.2769,  
0.3996

 7.1628, 0.2049,  
0.5449

 169.0095, 0.2797,  
0.3940

 3.5641, 0.1713,  
0.6144

 208.4241, 0.2821,  
0.3893

 1.4329, 0.0000,  
0.9897

253.5343, 0.2842,


 0.2407, 0.0000,


0.3852


1.0000

304.7247, 0.2860,  
0.3816


 0.0000, 0.0000,  
0.0000


 43.9195, 0.2587,  
0.4359


 43.9195, 0.2587,  
0.4359

 43.4588, 0.2597,  
0.4506


 44.5992, 0.2597,  
0.4210

 43.2249, 0.2613,  
0.4607

 45.5233, 0.2627,  
0.4061

 46.7190, 0.2675,  
0.3917

 48.2086, 0.2739,  
0.3778

 50.0119, 0.2817,  
0.3648

■ 52.1469, 0.2904,  
0.3528

■ 54.6304, 0.2999,  
0.3417

■ 57.4777, 0.3097,  
0.3318

■ 60.7036, 0.3197,  
0.3229

# Harmonies

## Analogous

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



43.9195, 0.3364, 0.4831



43.9195, 0.2587, 0.4359



43.9195, 0.2000, 0.3465

# Triad

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



43.9195, 0.2587, 0.4359



43.9195, 0.2089, 0.2039



43.9195, 0.4766, 0.3569

# Complementary

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



43.9195, 0.2587, 0.4359



14.4553, 0.4950, 0.2662

# 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.



43.9195, 0.4347, 0.2983



43.9195, 0.2587, 0.4359



43.9195, 0.2708, 0.2150

# Square

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



43.9195, 0.2587, 0.4359



43.9195, 0.1760, 0.2192



43.9195, 0.3546, 0.2483



43.9195, 0.4653, 0.4173



# Rectangle

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



43.9195, 0.2587, 0.4359



43.9195, 0.1781, 0.2898



43.9195, 0.3546, 0.2483



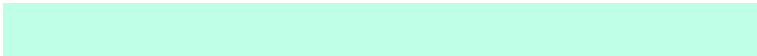
43.9195, 0.4685, 0.3369

# Sweetspot

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



43.9212, 0.2587, 0.4359



88.3728, 0.2883, 0.3555



44.6493, 0.3320, 0.5586



18.6328, 0.2852, 0.3598



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.



43.9212, 0.2587, 0.4359



73.9607, 0.2618, 0.4626



38.9714, 0.2208, 0.3029



11.9959, 0.3034, 0.3380



27.1972, 0.2607, 0.4586



1.3016, 0.2523, 0.4284



# Inverse Universe

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



14.4553, 0.4950, 0.2662



22.1383, 0.5494, 0.2800



14.8878, 0.5875, 0.3423



10.7032, 0.3230, 0.3202



8.1621, 0.5422, 0.2760

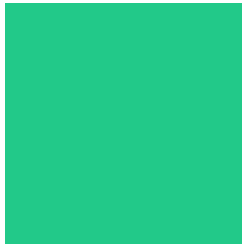


0.4006, 0.4858, 0.2450



# Previews

## White Background



This preview shows how the Yxy color 43.9195, 0.2587, 0.4359 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 43.9195, 0.2587, 0.4359 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

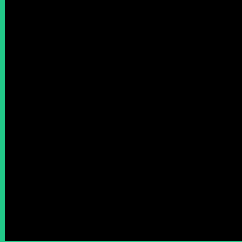
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.9195, 0.2587, 0.4359**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.9195, 0.2587, 0.4359.

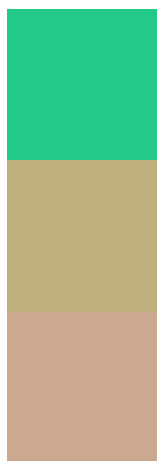


This preview shows how white text looks on a background with the Yxy color 43.9195, 0.2587, 0.4359.

# 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

43.9195, 0.2587, 0.4359

### Protanopia

42.9851, 0.3678, 0.3944

### Deuteranopia

43.0861, 0.3675, 0.3611



## Tritanopia

43.7492, 0.2313, 0.3054

# Trichromacy



## Original Color

43.9195, 0.2587, 0.4359



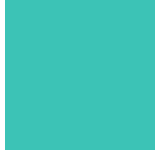
## Protanomaly

40.8792, 0.3112, 0.4125



## Deuteranomaly

40.7216, 0.3107, 0.3895



## Tritanomaly

43.3683, 0.2400, 0.3491

# Monochromacy



## Original Color

43.9195, 0.2587, 0.4359



## Achromatopsia

27.8894, 0.3127, 0.3290



## Achromatomaly

31.7764, 0.2793, 0.3703

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9195, 0.2587, 0.4359 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(34, 201, 137)` looks like.

```
.text, #text, p{  
    color:rgb(34, 201, 137)  
}
```

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(34, 201, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 201, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9195, 0.2587, 0.4359 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(34, 201, 137) }
```

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

```
.border{ border-color:rgb(34, 201, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 201, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 201, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 201, 137);  
box-shadow:4px 4px 4px 4px rgb(34, 201,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9195, 0.2587, 0.4359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 201, 137) }
```

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

```
.background{ background-color: rgb(34, 201,  
137) }
```

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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