

# Converting Colors

$Yxy(43.3648, 0.2358, 0.3527)$

Have a look what the booklet for  
Yxy(43.3648, 0.2358, 0.3527)  
contains.

<b>Yxy(43.2474, 0.2357, 0.3525)</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(43.2474, 0.2357, 0.3525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27C4B5
RGB	39, 196, 181
RGB Percent	15%, 77%, 71%
CMY	0.8466, 0.2314, 0.2903
CMYK	0.80, 0.00, 0.08, 0.23
HSL	174°, 67%, 46%
HSV	174°, 80%, 77%
XYZ	28.9175, 43.2474, 50.5228
YIQ	147.3470, -88.7570, -37.9490

# Conversions

## Conversions Part 2

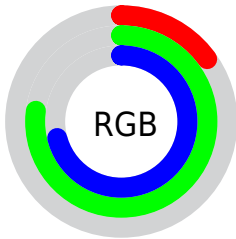
<b>Format</b>	<b>Color</b>
<b>RYB</b>	39, 121, 196
Decimal	2606261
CIELab	71.72, -41.83, -3.59
CIElCh	72, 41.981, 184.906
Yxy	43.2474, 0.2357, 0.3525
Android (android.graphics.Color)	4280796341 (0xFF27C4B5)
YUV	147.3470, 16.5909, -95.0203
Hunter-Lab	65.7628, -36.5940, 0.4839

# Details

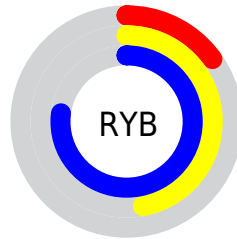
The Yxy color **43.2474, 0.2357, 0.3525** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **13.4623, 0.5691, 0.3171**, and the grayscale version is **29.2999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8757, 0.2492, 0.3479**, and **20.6083, 0.2325, 0.3570** is the 20% darker color. If you saturate the color by 10%, you get **42.8826, 0.2337, 0.3558**, and if you desaturate by 10%, it is **43.8142, 0.2396, 0.3492**.

# Distribution



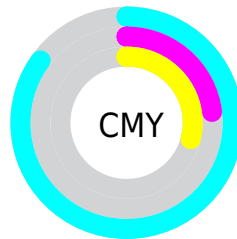
- Red (15%)
- Green (77%)
- Blue (71%)



- Red (15%)
- Yellow (47%)
- Blue (77%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (23%)




- Cyan (85%)
- Magenta (23%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2474, 0.2357, 0.3525 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 43.2474, 0.2357, 0.3525 by changing the saturation by 10% instead.





 43.2474, 0.2357,  
0.3525


 43.2474, 0.2357,  
0.3525


359.6282, 0.2740,  
0.3412


 30.0793, 0.2262,  
0.3551


 80.0841, 0.2496,  
0.3485

 19.8988, 0.2142,  
0.3584


 104.5214, 0.2548,  
0.3470

 12.3215, 0.1984,  
0.3626


 133.4839, 0.2592,  
0.3457

 6.9630, 0.1768,  
0.3679

 167.3560, 0.2630,  
0.3445

 3.4390, 0.1459,  
0.3747

 206.5221, 0.2663,  
0.3436

 1.3650, 0.0620,  
0.3986

251.3666, 0.2692,

 0.1907, 0.0000,

0.3427

0.2937

302.2738, 0.2718,  
0.3419

0.0000, 0.0000,  
0.0000

43.2474, 0.2357,  
0.3525

43.2474, 0.2357,  
0.3525

42.8826, 0.2337,  
0.3558

43.8142, 0.2396,  
0.3492

42.6637, 0.2331,  
0.3590

44.6048, 0.2454,  
0.3460

45.6434, 0.2530,  
0.3428

46.9499, 0.2624,  
0.3397

48.5421, 0.2734,  
0.3367

■ 50.4363, 0.2856,  
0.3339

■ 52.6477, 0.2988,  
0.3314

■ 55.1902, 0.3127,  
0.3290

■ 58.0771, 0.3270,  
0.3269

# Harmonies

## Analogous

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



43.2474, 0.2835, 0.4099



43.2474, 0.2357, 0.3525



43.2474, 0.2094, 0.2934

# Triad

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



43.2474, 0.2357, 0.3525



43.2474, 0.2750, 0.2405



43.2474, 0.4282, 0.3925

# Complementary

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



43.2474, 0.2357, 0.3525



13.4623, 0.5691, 0.3171

# 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.



43.2474, 0.4283, 0.3469



43.2474, 0.2357, 0.3525



43.2474, 0.3345, 0.2640

# Square

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



43.2474, 0.2357, 0.3525



43.2474, 0.2305, 0.2357



43.2474, 0.3928, 0.3016



43.2474, 0.3954, 0.4281



# Rectangle

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



43.2474, 0.2357, 0.3525



43.2474, 0.2057, 0.2637



43.2474, 0.3928, 0.3016



43.2474, 0.4323, 0.3778

# Sweetspot

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



43.2490, 0.2357, 0.3525



89.8110, 0.2801, 0.3351



40.4344, 0.3066, 0.5719



18.9625, 0.2758, 0.3361



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.



43.2490, 0.2357, 0.3525



77.3862, 0.2332, 0.3582



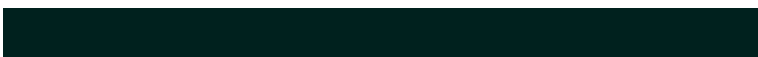
21.2619, 0.2007, 0.2219



11.4113, 0.2997, 0.3312



27.4199, 0.2329, 0.3585



1.1897, 0.2309, 0.3513



# Inverse Universe

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



13.4623, 0.5691, 0.3171



21.5949, 0.6243, 0.3238



21.3603, 0.5179, 0.3969



10.0932, 0.3274, 0.3268



7.5764, 0.6277, 0.3231

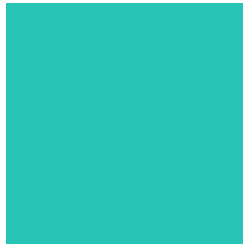


0.3328, 0.5886, 0.3016



# Previews

## White Background



This preview shows how the Yxy color 43.2474, 0.2357, 0.3525 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 43.2474, 0.2357, 0.3525 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

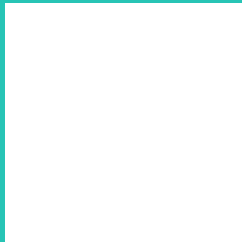
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.2474, 0.2357, 0.3525**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.2474, 0.2357, 0.3525.

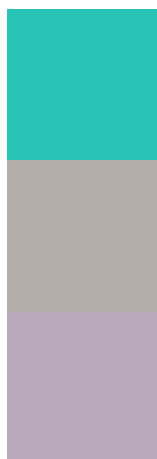


This preview shows how white text looks on a background with the Yxy color 43.2474, 0.2357, 0.3525.

# 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

43.2474, 0.2357, 0.3525

### Protanopia

42.6830, 0.3222, 0.3371

### Deuteranopia

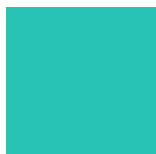
42.4029, 0.3129, 0.3057



## Tritanopia

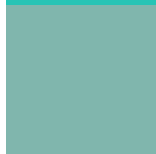
43.1831, 0.2264, 0.3051

# Trichromacy



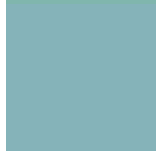
## Original Color

43.2474, 0.2357, 0.3525



## Protanomaly

41.0622, 0.2766, 0.3423



## Deuteranomaly

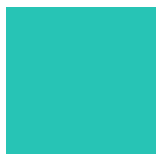
40.7295, 0.2716, 0.3202



## Tritanomaly

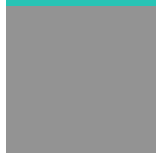
42.9472, 0.2294, 0.3212

# Monochromacy



## Original Color

43.2474, 0.2357, 0.3525



## Achromatopsia

29.1771, 0.3127, 0.3290



## Achromatomaly

32.6016, 0.2691, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2474, 0.2357, 0.3525 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(39, 196, 181)` looks like.

```
.text, #text, p{  
    color:rgb(39, 196, 181)  
}
```

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(39, 196, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 196, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2474, 0.2357, 0.3525 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(39, 196, 181) }
```

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

```
.border{ border-color:rgb(39, 196, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 196, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 196, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 196, 181);  
box-shadow:4px 4px 4px 4px rgb(39, 196,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2474, 0.2357, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 196, 181) }
```

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

```
.background{ background-color: rgb(39, 196,  
181) }
```

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