

Converting Colors

$Yxy(43.5640, 0.2427, 0.3687)$

Have a look what the booklet for
Yxy(43.5640, 0.2427, 0.3687)
contains.

Yxy(43.5640, 0.2427, 0.3687)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.5640, 0.2427, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	31C5AC
RGB	49, 197, 172
RGB Percent	19%, 77%, 67%
CMY	0.8079, 0.2274, 0.3256
CMYK	0.75, 0.00, 0.13, 0.23
HSL	170°, 60%, 48%
HSV	170°, 75%, 77%
XYZ	28.6764, 43.5640, 45.9153
YIQ	149.8980, -80.1830, -39.1510

Conversions

Conversions Part 2

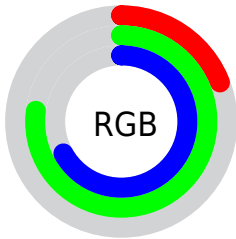
Format	Color
RYB	49, 130, 197
Decimal	3261868
CIELab	71.94, -43.68, 1.64
CIELCh	72, 43.715, 177.856
Yxy	43.5640, 0.2427, 0.3687
Android (android.graphics.Color)	4281451948 (0xFF31C5AC)
YUV	149.8980, 10.8963, -88.4875
Hunter-Lab	66.0030, -37.9523, 4.9568

Details

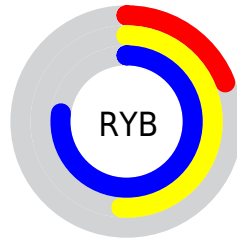
The Yxy color **43.5640, 0.2427, 0.3687** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **14.5605, 0.5297, 0.3041**, and the grayscale version is **30.4296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2812, 0.2555, 0.3612**, and **20.7021, 0.2382, 0.3775** is the 20% darker color. If you saturate the color by 10%, you get **43.0522, 0.2403, 0.3748**, and if you desaturate by 10%, it is **44.2963, 0.2470, 0.3627**.

Distribution



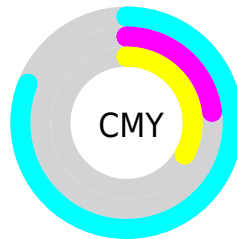
- Red (19%)
- Green (77%)
- Blue (67%)



- Red (19%)
- Yellow (51%)
- Blue (77%)



- Cyan (75%)
- Magenta (0%)
- Yellow (13%)
- Black (23%)





- Cyan (81%)
- Magenta (23%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5640, 0.2427, 0.3687 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 43.5640, 0.2427, 0.3687 by changing the saturation by 10% instead.


 43.5640, 0.2427,
0.3687

 43.5640, 0.2427,
0.3687


360.9261, 0.2779,
0.3486


 30.3279, 0.2339,
0.3738


 80.5613, 0.2555,
0.3613


 20.0876, 0.2226,
0.3803


 105.0912, 0.2603,
0.3586


 12.4587, 0.2077,
0.3891


 134.1546, 0.2644,
0.3563

 7.0569, 0.1871,
0.4014

 168.1357, 0.2678,
0.3543

 3.4977, 0.1570,
0.4196

 207.4190, 0.2709,
0.3526

 1.3968, 0.0641,
0.4723

252.3889, 0.2735,

 0.2143, 0.0000,

0.3511

0.6429

303.4298, 0.2758,
0.3498

■ 0.0000, 0.0000,
0.0000

■ 43.5640, 0.2427,
0.3687

■ 43.5640, 0.2427,
0.3687

■ 43.0522, 0.2403,
0.3748

■ 44.2963, 0.2470,
0.3627

■ 42.7255, 0.2398,
0.3808

■ 45.2689, 0.2532,
0.3567

■ 42.6050, 0.2399,
0.3837

■ 46.5049, 0.2611,
0.3510

■ 48.0233, 0.2707,
0.3455

■ 49.8414, 0.2815,
0.3403

■ 51.9750, 0.2934,
0.3355

■ 54.4390, 0.3060,
0.3311

■ 57.2471, 0.3191,
0.3271

■ 60.4124, 0.3324,
0.3235

Harmonies

Analogous

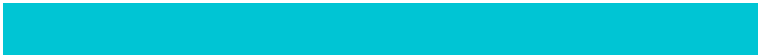
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.5640, 0.2960, 0.4239



43.5640, 0.2427, 0.3687



43.5640, 0.2099, 0.3050

Triad

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



43.5640, 0.2427, 0.3687



43.5640, 0.2609, 0.2345



43.5640, 0.4360, 0.3836

Complementary

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



43.5640, 0.2427, 0.3687



14.5605, 0.5297, 0.3041

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.



43.5640, 0.4272, 0.3359



43.5640, 0.2427, 0.3687



43.5640, 0.3200, 0.2546

Square

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



43.5640, 0.2427, 0.3687



43.5640, 0.2200, 0.2344



43.5640, 0.3829, 0.2905



43.5640, 0.4087, 0.4245

Rectangle

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



43.5640, 0.2427, 0.3687



43.5640, 0.2021, 0.2707



43.5640, 0.3829, 0.2905



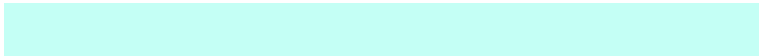
43.5640, 0.4374, 0.3679

Sweetspot

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



43.5657, 0.2427, 0.3687



89.9004, 0.2836, 0.3394



41.6984, 0.3138, 0.5566



18.9651, 0.2794, 0.3413



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.



43.5657, 0.2427, 0.3687



76.7011, 0.2398, 0.3785



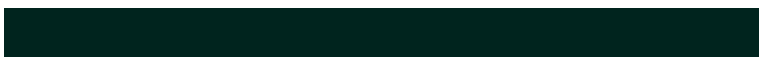
26.5384, 0.2109, 0.2513



12.0356, 0.3006, 0.3329



28.0319, 0.2397, 0.3829



1.3357, 0.2362, 0.3704

Inverse Universe

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



14.5605, 0.5297, 0.3041



22.3505, 0.5920, 0.3111



20.4318, 0.5181, 0.3814



10.6657, 0.3263, 0.3251



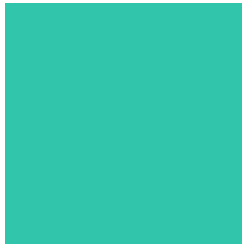
7.8896, 0.6133, 0.3152



0.3829, 0.5595, 0.2856

Previews

White Background



This preview shows how the Yxy color 43.5640, 0.2427, 0.3687 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 43.5640, 0.2427, 0.3687 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

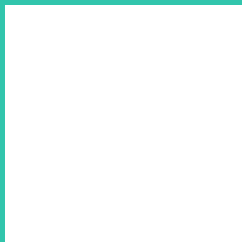
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.5640, 0.2427, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 43.5640, 0.2427, 0.3687.

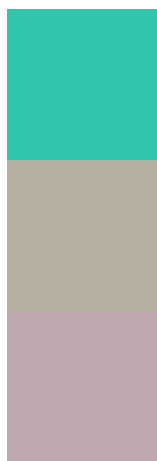


This preview shows how white text looks on a background with the Yxy color 43.5640, 0.2427, 0.3687.

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

43.5640, 0.2427, 0.3687

Protanopia

42.7553, 0.3318, 0.3479

Deuteranopia

42.5374, 0.3242, 0.3174



Tritanopia

43.5554, 0.2296, 0.3053

Trichromacy



Original Color

43.5640, 0.2427, 0.3687



Protanomaly

41.2046, 0.2873, 0.3559



Deuteranomaly

40.8638, 0.2822, 0.3333



Tritanomaly

43.5478, 0.2339, 0.3273

Monochromacy



Original Color

43.5640, 0.2427, 0.3687



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.6168, 0.2739, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5640, 0.2427, 0.3687 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(49, 197, 172)` looks like.

```
.text, #text, p{  
    color:rgb(49, 197, 172)  
}
```

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(49, 197, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 197, 172) }
```

Border

The CSS property to change the border of an element to Yxy 43.5640, 0.2427, 0.3687 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(49, 197, 172) }
```

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

```
.border{ border-color:rgb(49, 197, 172) }
```

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

Here you see how a box with a 4 pixel rgb(49, 197, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 197, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 197, 172);  
box-shadow:4px 4px 4px 4px rgb(49, 197,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5640, 0.2427, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 197, 172) }
```

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

```
.background{ background-color: rgb(49, 197,  
172) }
```

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