

Converting Colors

$Y_{xy}(39.3444, 0.2552, 0.4400)$

Have a look what the booklet for
Yxy(39.3444, 0.2552, 0.4400)
contains.

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Color

Yxy(39.2843, 0.2556, 0.4402)

Conversions

Conversions Part 1

Format	Color
Hex	00C081
RGB	0, 192, 129
RGB Percent	0%, 75%, 51%
CMY	1.0000, 0.2470, 0.4941
CMYK	1.00, 0.00, 0.33, 0.25
HSL	160°, 100%, 38%
HSV	160°, 100%, 75%
XYZ	22.8102, 39.2843, 27.1474
YIQ	127.4100, -94.2090, -60.2970

Conversions

Conversions Part 2

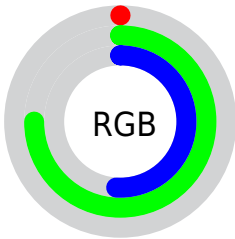
Format	Color
RYB	0, 115, 192
Decimal	49281
CIELab	68.96, -55.47, 20.60
CIELCh	69, 59.175, 159.629
Yxy	39.2843, 0.2556, 0.4402
Android (android.graphics.Color)	4278239361 (0xFF00C081)
YUV	127.4100, 0.7839, -111.7386
Hunter-Lab	62.6772, -44.7232, 18.1937

Details

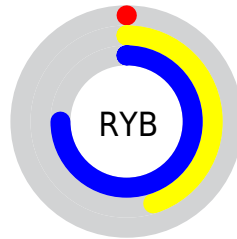
The Yxy color **39.2843, 0.2556, 0.4402** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.5663, 0.5667, 0.2895**, and the grayscale version is **21.3944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3453, 0.2676, 0.4174**, and **18.4558, 0.2640, 0.4705** is the 20% darker color. If you saturate the color by 10%, you get **39.2868, 0.2556, 0.4402**, and if you desaturate by 10%, it is **39.6001, 0.2541, 0.4279**.

Distribution



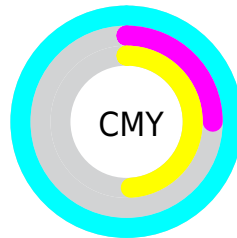
- Red (0%)
- Green (75%)
- Blue (51%)



- Red (0%)
- Yellow (45%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2843, 0.2556, 0.4402 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 39.2843, 0.2556, 0.4402 by changing the saturation by 10% instead.


 39.2843, 0.2556,
0.4402


 39.2843, 0.2556,
0.4402


343.0977, 0.2867,
0.3793


 26.9810, 0.2470,
0.4573


 74.0724, 0.2675,
0.4167

 17.5589, 0.2354,
0.4803


 97.3260, 0.2718,
0.4083


 10.6338, 0.2191,
0.5131


 124.9985, 0.2753,
0.4014

 5.8212, 0.1945,
0.5629

 157.4742, 0.2783,
0.3955

 2.7366, 0.1517,
0.6482

 195.1376, 0.2809,
0.3906

 0.9958, 0.0000,
1.0000

238.3731, 0.2831,

 0.0000, 0.0000,

0.3863

0.0000

287.5650, 0.2850,
0.3826

■ 39.2843, 0.2556,
0.4402

■ 39.2843, 0.2556,
0.4402

■ 39.2868, 0.2556,
0.4402

■ 39.6001, 0.2541,
0.4279

■ 40.0626, 0.2542,
0.4154

■ 40.7245, 0.2563,
0.4028

■ 41.6113, 0.2603,
0.3904

■ 42.7446, 0.2661,
0.3784

■ 44.1433, 0.2735,
0.3670

■ 45.8247, 0.2822,
0.3562

■ 47.8043, 0.2918,
0.3463

■ 50.0967, 0.3020,
0.3372

Harmonies

Analogous

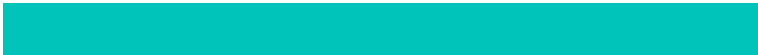
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.2843, 0.3359, 0.4898



39.2843, 0.2556, 0.4402



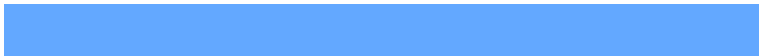
39.2843, 0.1954, 0.3461

Triad

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



39.2843, 0.2556, 0.4402



39.2843, 0.2057, 0.1997



39.2843, 0.4832, 0.3576

Complementary

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



39.2843, 0.2556, 0.4402



11.5663, 0.5667, 0.2895

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.



39.2843, 0.4403, 0.2973



39.2843, 0.2556, 0.4402



39.2843, 0.2697, 0.2114

Square

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



39.2843, 0.2556, 0.4402



39.2843, 0.1717, 0.2149



39.2843, 0.3568, 0.2459



39.2843, 0.4704, 0.4200

Rectangle

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



39.2843, 0.2556, 0.4402



39.2843, 0.1733, 0.2870



39.2843, 0.3568, 0.2459



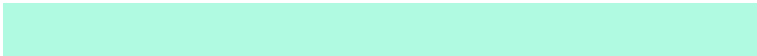
39.2843, 0.4750, 0.3369

Sweetspot

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



39.2868, 0.2556, 0.4402



82.8674, 0.2817, 0.3567



38.7920, 0.3170, 0.5865



17.4886, 0.2779, 0.3612



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.2868, 0.2556, 0.4402



71.1322, 0.2561, 0.4421



28.9494, 0.2097, 0.2748



11.3704, 0.3027, 0.3367



26.4488, 0.2552, 0.4386



1.1550, 0.2475, 0.4111

Inverse Universe

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



11.5663, 0.5667, 0.2895



20.9148, 0.5707, 0.2917



12.2403, 0.6237, 0.3430



10.1312, 0.3239, 0.3215



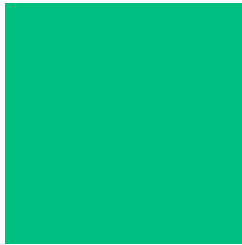
7.7952, 0.5634, 0.2877



0.3497, 0.4993, 0.2524

Previews

White Background



This preview shows how the Yxy color 39.2843, 0.2556, 0.4402 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 39.2843, 0.2556, 0.4402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

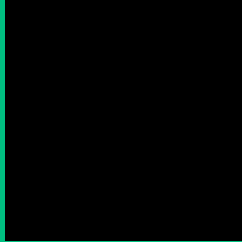
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.2843, 0.2556, 0.4402

Background



This preview shows how black text looks on a background with the Yxy color 39.2843, 0.2556, 0.4402.

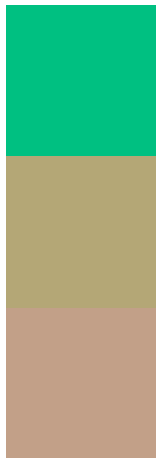


This preview shows how white text looks on a background with the Yxy color 39.2843, 0.2556, 0.4402.

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

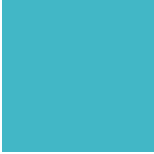
39.2843, 0.2556, 0.4402

Protanopia

38.6487, 0.3692, 0.3973

Deuteranopia

38.3885, 0.3694, 0.3612



Tritanopia

39.1024, 0.2297, 0.3057

Trichromacy



Original Color

39.2843, 0.2556, 0.4402



Protanomaly

36.1006, 0.3028, 0.4187



Deuteranomaly

35.4095, 0.3012, 0.3927



Tritanomaly

38.6272, 0.2362, 0.3502

Monochromacy



Original Color

39.2843, 0.2556, 0.4402



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

25.4411, 0.2693, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2843, 0.2556, 0.4402 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(0, 192, 129)` looks like.

```
.text, #text, p{  
  color:rgb(0, 192, 129)  
}
```

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(0, 192, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 129) }
```

Border

The CSS property to change the border of an element to Yxy 39.2843, 0.2556, 0.4402 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(0, 192, 129) }
```

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

```
.border{ border-color:rgb(0, 192, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2843, 0.2556, 0.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 129) }
```

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

```
.background{ background-color: rgb(0, 192,  
129) }
```

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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