

Converting Colors

$Y_{xy}(38.6588, 0.2374, 0.4265)$

Have a look what the booklet for
Yxy(38.6588, 0.2374, 0.4265)
contains.

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Color

Yxy(39.5343, 0.2509, 0.4232)

Conversions

Conversions Part 1

Format	Color
Hex	00C08A
RGB	0, 192, 138
RGB Percent	0%, 75%, 54%
CMY	0.9996, 0.2471, 0.4588
CMYK	1.00, 0.00, 0.28, 0.25
HSL	163°, 100%, 38%
HSV	163°, 100%, 75%
XYZ	23.4385, 39.5343, 30.4448
YIQ	128.4360, -97.0980, -57.4980

Conversions

Conversions Part 2

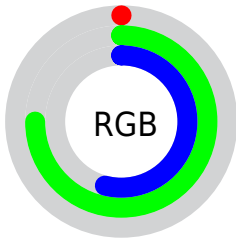
Format	Color
RYB	0, 112, 192
Decimal	49290
CIELab	69.14, -53.42, 16.01
CIELCh	69, 55.769, 163.322
Yxy	39.5343, 0.2509, 0.4232
Android (android.graphics.Color)	4278239370 (0xFF00C08A)
YUV	128.4360, 4.7151, -112.6384
Hunter-Lab	62.8763, -43.4939, 15.3051

Details

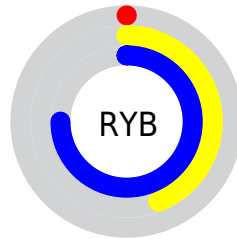
The Yxy color **39.5343, 0.2509, 0.4232** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.4757, 0.5833, 0.2987**, and the grayscale version is **21.7651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1538, 0.2629, 0.4025**, and **18.5959, 0.2576, 0.4474** is the 20% darker color. If you saturate the color by 10%, you get **39.5345, 0.2509, 0.4233**, and if you desaturate by 10%, it is **39.8371, 0.2498, 0.4127**.

Distribution



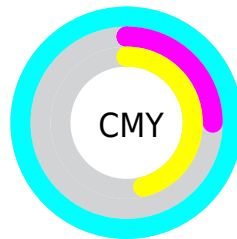
- Red (0%)
- Green (75%)
- Blue (54%)



- Red (0%)
- Yellow (44%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5343, 0.2509, 0.4232 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 39.5343, 0.2509, 0.4232 by changing the saturation by 10% instead.


 39.5343, 0.2509,
0.4232


 39.5343, 0.2509,
0.4232


344.1568, 0.2838,
0.3721

 27.1756, 0.2420,
0.4373


 74.4538, 0.2633,
0.4036


 17.7052, 0.2303,
0.4564


 97.7835, 0.2678,
0.3966


 10.7385, 0.2140,
0.4833


 125.5389, 0.2716,
0.3908

 5.8913, 0.1901,
0.5240

 158.1046, 0.2748,
0.3858

 2.7791, 0.1511,
0.5921

 195.8648, 0.2775,
0.3817

 1.0175, 0.0000,
1.0000

239.2040, 0.2799,

 0.0000, 0.0000,

0.3780

0.0000

288.5065, 0.2820,
0.3749

■ 39.5343, 0.2509,
0.4232

■ 39.5343, 0.2509,
0.4232

■ 39.5345, 0.2509,
0.4233

■ 39.8371, 0.2498,
0.4127

■ 40.2854, 0.2503,
0.4022

■ 40.9306, 0.2528,
0.3916

■ 41.7979, 0.2572,
0.3811

■ 42.9091, 0.2635,
0.3710

■ 44.2829, 0.2713,
0.3613

■ 45.9364, 0.2804,
0.3522

■ 47.8852, 0.2906,
0.3437

■ 50.1438, 0.3014,
0.3360

Harmonies

Analogous

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



39.5343, 0.3260, 0.4772



39.5343, 0.2509, 0.4232



39.5343, 0.1968, 0.3346

Triad

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



39.5343, 0.2509, 0.4232



39.5343, 0.2172, 0.2061



39.5343, 0.4748, 0.3647

Complementary

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



39.5343, 0.2509, 0.4232



11.4757, 0.5833, 0.2987

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.



39.5343, 0.4403, 0.3063



39.5343, 0.2509, 0.4232



39.5343, 0.2817, 0.2201

Square

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



39.5343, 0.2509, 0.4232



39.5343, 0.1810, 0.2177



39.5343, 0.3651, 0.2555



39.5343, 0.4577, 0.4236

Rectangle

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



39.5343, 0.2509, 0.4232



39.5343, 0.1779, 0.2813



39.5343, 0.3651, 0.2555



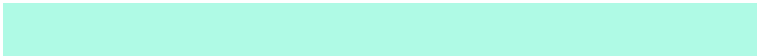
39.5343, 0.4691, 0.3448

Sweetspot

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



39.5359, 0.2509, 0.4232



83.0615, 0.2799, 0.3526



38.4973, 0.3126, 0.5900



17.5351, 0.2759, 0.3564



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.



39.5359, 0.2509, 0.4232



71.5880, 0.2514, 0.4249



25.7537, 0.2049, 0.2575



11.3786, 0.3021, 0.3356



26.6159, 0.2505, 0.4219



1.1613, 0.2441, 0.3986

Inverse Universe

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



11.4757, 0.5833, 0.2987



20.7515, 0.5873, 0.3009



12.8396, 0.6148, 0.3500



10.1234, 0.3246, 0.3225



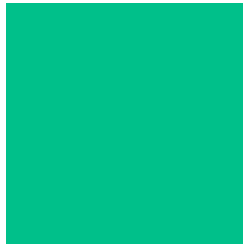
7.7317, 0.5802, 0.2970



0.3463, 0.5144, 0.2607

Previews

White Background



This preview shows how the Yxy color 39.5343, 0.2509, 0.4232 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 39.5343, 0.2509, 0.4232 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 39.5343, 0.2509, 0.4232

Background



This preview shows how black text looks on a background with the Yxy color 39.5343, 0.2509, 0.4232.



This preview shows how white text looks on a background with the Yxy color 39.5343, 0.2509, 0.4232.

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

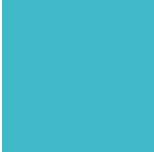
39.5343, 0.2509, 0.4232

Protanopia

38.7534, 0.3601, 0.3851

Deuteranopia

38.7405, 0.3583, 0.3506



Tritanopia

39.4613, 0.2286, 0.3058

Trichromacy



Original Color

39.5343, 0.2509, 0.4232



Protanomaly

36.2668, 0.2955, 0.4034



Deuteranomaly

35.5956, 0.2935, 0.3776



Tritanomaly

39.1661, 0.2342, 0.3451

Monochromacy



Original Color

39.5343, 0.2509, 0.4232



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.5485, 0.2662, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5343, 0.2509, 0.4232 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 138) }
```

Border

The CSS property to change the border of an element to Yxy 39.5343, 0.2509, 0.4232 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, 138) }
```

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

```
.border{ border-color:rgb(0, 192, 138) }
```

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, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5343, 0.2509, 0.4232 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, 138) }
```

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

```
.background{ background-color: rgb(0, 192,  
138) }
```

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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