

Converting Colors

$Y_{xy}(39.1297, 0.2498, 0.4313)$

Have a look what the booklet for
Yxy(39.1297, 0.2498, 0.4313)
contains.

Yxy(39.4205, 0.2530, 0.4307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.4205, 0.2530, 0.4307)

Conversions

Conversions Part 1

Format	Color
Hex	00C086
RGB	0, 192, 134
RGB Percent	0%, 75%, 53%
CMY	0.9989, 0.2471, 0.4744
CMYK	1.00, 0.00, 0.30, 0.25
HSL	162°, 100%, 38%
HSV	162°, 100%, 75%
XYZ	23.1562, 39.4205, 28.9499
YIQ	127.9800, -95.8140, -58.7420

Conversions

Conversions Part 2

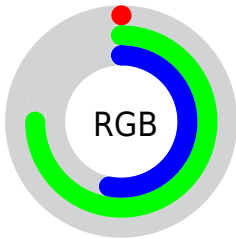
Format	Color
RYB	0, 113, 192
Decimal	49286
CIELab	69.05, -54.33, 18.04
CIELCh	69, 57.251, 161.632
Yxy	39.4205, 0.2530, 0.4307
Android (android.graphics.Color)	4278239366 (0xFF00C086)
YUV	127.9800, 2.9679, -112.2385
Hunter-Lab	62.7857, -44.0419, 16.6120

Details

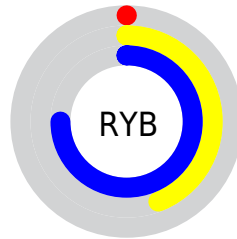
The Yxy color **39.4205, 0.2530, 0.4307** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.5204, 0.5756, 0.2946**, and the grayscale version is **21.6244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5557, 0.2654, 0.4105**, and **18.5314, 0.2605, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **39.4179, 0.2530, 0.4309**, and if you desaturate by 10%, it is **39.7301, 0.2517, 0.4194**.

Distribution



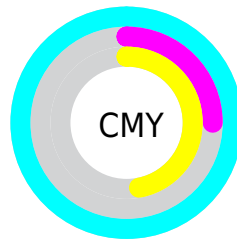
- Red (0%)
- Green (75%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4205, 0.2530, 0.4307 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 39.4205, 0.2530, 0.4307 by changing the saturation by 10% instead.


 39.4205, 0.2530,
0.4307


 39.4205, 0.2530,
0.4307


343.6750, 0.2851,
0.3753


 27.0870, 0.2443,
0.4461


 74.2803, 0.2652,
0.4094


 17.6386, 0.2326,
0.4670


 97.5753, 0.2696,
0.4018


 10.6908, 0.2163,
0.4965


 125.2930, 0.2733,
0.3954

 5.8593, 0.1922,
0.5412

 157.8178, 0.2764,
0.3901

 2.7597, 0.1516,
0.6166

 195.5339, 0.2790,
0.3856

 1.0076, 0.0000,
1.0000

238.8259, 0.2813,

 0.0000, 0.0000,

0.3817

0.0000

288.0781, 0.2833,
0.3783

■ 39.4205, 0.2530,
0.4307

■ 39.4205, 0.2530,
0.4307

■ 39.4179, 0.2530,
0.4309

■ 39.7301, 0.2517,
0.4194

■ 40.1875, 0.2521,
0.4079

■ 40.8430, 0.2544,
0.3965

■ 41.7222, 0.2587,
0.3851

■ 42.8465, 0.2648,
0.3742

■ 44.2350, 0.2724,
0.3637

■ 45.9046, 0.2813,
0.3539

■ 47.8709, 0.2912,
0.3448

■ 50.1484, 0.3018,
0.3364

Harmonies

Analogous

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



39.4205, 0.3304, 0.4828



39.4205, 0.2530, 0.4307



39.4205, 0.1962, 0.3396

Triad

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



39.4205, 0.2530, 0.4307



39.4205, 0.2120, 0.2033



39.4205, 0.4785, 0.3615

Complementary

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



39.4205, 0.2530, 0.4307



11.5204, 0.5756, 0.2946

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.



39.4205, 0.4403, 0.3023



39.4205, 0.2530, 0.4307



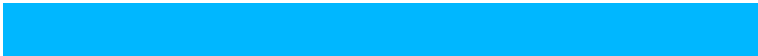
39.4205, 0.2763, 0.2162

Square

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



39.4205, 0.2530, 0.4307



39.4205, 0.1768, 0.2165



39.4205, 0.3614, 0.2512



39.4205, 0.4633, 0.4220

Rectangle

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



39.4205, 0.2530, 0.4307



39.4205, 0.1758, 0.2838



39.4205, 0.3614, 0.2512



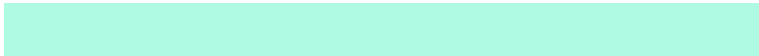
39.4205, 0.4718, 0.3413

Sweetspot

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



39.4221, 0.2530, 0.4307



82.9736, 0.2807, 0.3545



38.6908, 0.3155, 0.5876



17.5140, 0.2768, 0.3586



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.



39.4221, 0.2530, 0.4307



71.3779, 0.2535, 0.4326



27.8706, 0.2081, 0.2692



11.3749, 0.3024, 0.3361



26.5390, 0.2526, 0.4294



1.1584, 0.2456, 0.4042

Inverse Universe

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



11.5204, 0.5756, 0.2946



20.8214, 0.5800, 0.2969



12.4342, 0.6206, 0.3452



10.1269, 0.3242, 0.3221



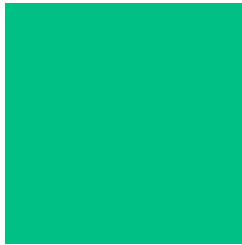
7.7590, 0.5728, 0.2929



0.3478, 0.5075, 0.2569

Previews

White Background



This preview shows how the Yxy color 39.4205, 0.2530, 0.4307 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 39.4205, 0.2530, 0.4307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

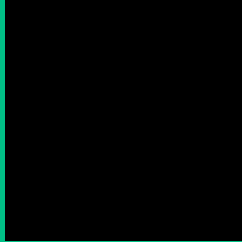
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4205, 0.2530, 0.4307

Background



This preview shows how black text looks on a background with the Yxy color 39.4205, 0.2530, 0.4307.



This preview shows how white text looks on a background with the Yxy color 39.4205, 0.2530, 0.4307.

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

39.4205, 0.2530, 0.4307

Protanopia

38.7708, 0.3647, 0.3904

Deuteranopia

38.7503, 0.3632, 0.3559



Tritanopia

39.5283, 0.2292, 0.3058

Trichromacy



Original Color

39.4205, 0.2530, 0.4307



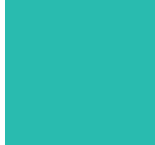
Protanomaly

36.2278, 0.2992, 0.4101



Deuteranomaly

35.5510, 0.2973, 0.3843



Tritanomaly

39.1072, 0.2354, 0.3484

Monochromacy



Original Color

39.4205, 0.2530, 0.4307



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.5388, 0.2685, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4205, 0.2530, 0.4307 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 134) }
```

Border

The CSS property to change the border of an element to Yxy 39.4205, 0.2530, 0.4307 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, 134) }
```

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

```
.border{ border-color:rgb(0, 192, 134) }
```

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, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4205, 0.2530, 0.4307 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, 134) }
```

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

```
.background{ background-color: rgb(0, 192,  
134) }
```

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