

Converting Colors

$Y_{xy}(37.3595, 0.1586, 0.3915)$

Have a look what the booklet for
Yxy(37.3595, 0.1586, 0.3915)
contains.

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Color

Yxy(43.6369, 0.2391, 0.3809)

Conversions

Conversions Part 1

Format	Color
Hex	00C7A7
RGB	0, 199, 167
RGB Percent	0%, 78%, 65%
CMY	1.0000, 0.2196, 0.3451
CMYK	1.00, 0.00, 0.16, 0.22
HSL	170°, 100%, 39%
HSV	170°, 100%, 78%
XYZ	27.3919, 43.6369, 43.5338
YIQ	135.8510, -108.3320, -52.1400

Conversions

Conversions Part 2

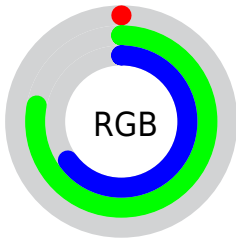
Format	Color
RYB	0, 108, 199
Decimal	51111
CIELab	71.99, -48.98, 4.36
CIELCh	72, 49.173, 174.914
Yxy	43.6369, 0.2391, 0.3809
Android (android.graphics.Color)	4278241191 (0xFF00C7A7)
YUV	135.8510, 15.3565, -119.1413
Hunter-Lab	66.0582, -41.5845, 7.1674

Details

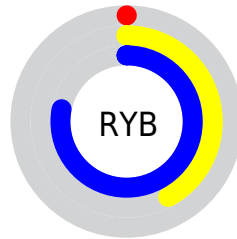
The Yxy color **43.6369, 0.2391, 0.3809** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.2483, 0.6180, 0.3178**, and the grayscale version is **24.5362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6187, 0.2524, 0.3692**, and **21.1843, 0.2426, 0.3932** is the 20% darker color. If you saturate the color by 10%, you get **43.6425, 0.2391, 0.3809**, and if you desaturate by 10%, it is **43.9101, 0.2392, 0.3752**.

Distribution



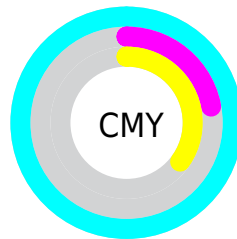
- Red (0%)
- Green (78%)
- Blue (65%)



- Red (0%)
- Yellow (42%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)




- Cyan (100%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6369, 0.2391, 0.3809 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 43.6369, 0.2391, 0.3809 by changing the saturation by 10% instead.


 43.6369, 0.2391,
0.3809

 43.6369, 0.2391,
0.3809


361.2245, 0.2762,
0.3542


 30.3852, 0.2298,
0.3878


 80.6711, 0.2526,
0.3711


 20.1311, 0.2178,
0.3967


 105.2223, 0.2577,
0.3674

 12.4904, 0.2019,
0.4087


 134.3088, 0.2620,
0.3643

 7.0786, 0.1799,
0.4259

 168.3150, 0.2657,
0.3617

 3.5113, 0.1479,
0.4519

 207.6253, 0.2688,
0.3595

 1.4041, 0.0250,
0.5359

252.6240, 0.2716,

 0.2198, 0.0000,

0.3575

1.0000

303.6956, 0.2741,
0.3558

■ 0.0000, 0.0000,
0.0000

■ 43.6369, 0.2391,
0.3809

■ 43.6369, 0.2391,
0.3809

■ 43.6425, 0.2391,
0.3809

■ 43.9101, 0.2392,
0.3752

■ 44.3324, 0.2407,
0.3695

■ 44.9625, 0.2441,
0.3638

■ 45.8282, 0.2494,
0.3581

■ 46.9530, 0.2566,
0.3525

■ 48.3575, 0.2655,
0.3472

■ 50.0601, 0.2758,
0.3421

■ 52.0780, 0.2873,
0.3374

■ 54.4266, 0.2997,
0.3330

Harmonies

Analogous

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



43.6369, 0.2997, 0.4414



43.6369, 0.2391, 0.3809



43.6369, 0.2008, 0.3075

Triad

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



43.6369, 0.2391, 0.3809



43.6369, 0.2492, 0.2235



43.6369, 0.4516, 0.3830

Complementary

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



43.6369, 0.2391, 0.3809



12.2483, 0.6180, 0.3178

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.



43.6369, 0.4382, 0.3303



43.6369, 0.2391, 0.3809



43.6369, 0.3134, 0.2437

Square

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



43.6369, 0.2391, 0.3809



43.6369, 0.2068, 0.2253



43.6369, 0.3850, 0.2814



43.6369, 0.4237, 0.4307

Rectangle

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



43.6369, 0.2391, 0.3809



43.6369, 0.1907, 0.2679



43.6369, 0.3850, 0.2814



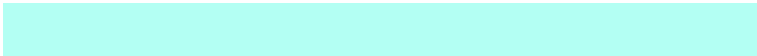
43.6369, 0.4521, 0.3654

Sweetspot

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



43.6425, 0.2391, 0.3809



87.4967, 0.2753, 0.3423



41.1789, 0.3049, 0.5961



18.4430, 0.2708, 0.3445



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.



43.6425, 0.2391, 0.3809



76.3736, 0.2394, 0.3817



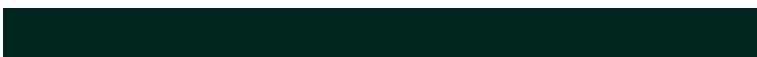
20.8104, 0.1932, 0.2156



12.0371, 0.3005, 0.3327



28.0699, 0.2389, 0.3801



1.3372, 0.2356, 0.3683

Inverse Universe

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



12.2483, 0.6180, 0.3178



21.4203, 0.6206, 0.3192



16.0799, 0.5886, 0.3708



10.6643, 0.3265, 0.3253



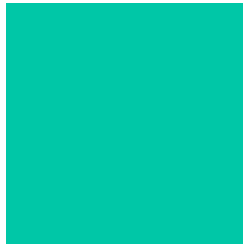
7.8834, 0.6153, 0.3163



0.3823, 0.5628, 0.2874

Previews

White Background



This preview shows how the Yxy color 43.6369, 0.2391, 0.3809 looks on a white background.

Color Contrast Check

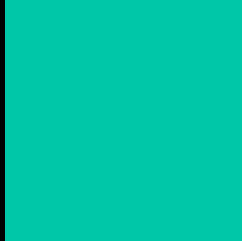
Large Text (above 18pt) WCAG AA × Fail

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 43.6369, 0.2391, 0.3809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

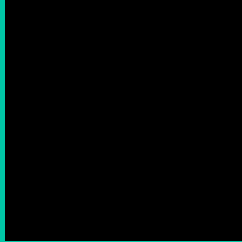
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

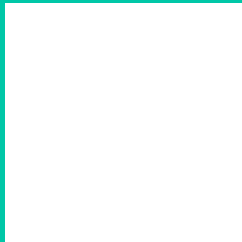
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.6369, 0.2391, 0.3809

Background



This preview shows how black text looks on a background with the Yxy color 43.6369, 0.2391, 0.3809.



This preview shows how white text looks on a background with the Yxy color 43.6369, 0.2391, 0.3809.

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

43.6369, 0.2391, 0.3809

Protanopia

43.0603, 0.3377, 0.3574

Deuteranopia

42.5995, 0.3305, 0.3239



Tritanopia

43.6132, 0.2258, 0.3052

Trichromacy



Original Color

43.6369, 0.2391, 0.3809



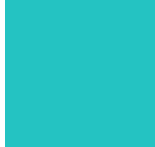
Protanomaly

40.4972, 0.2779, 0.3678



Deuteranomaly

39.7204, 0.2734, 0.3426



Tritanomaly

43.3003, 0.2287, 0.3303

Monochromacy



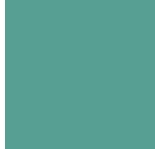
Original Color

43.6369, 0.2391, 0.3809



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.9291, 0.2615, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6369, 0.2391, 0.3809 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, 199, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 167)  
}
```

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, 199, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 167) }
```

Border

The CSS property to change the border of an element to Yxy 43.6369, 0.2391, 0.3809 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, 199, 167) }
```

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

```
.border{ border-color:rgb(0, 199, 167) }
```

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

Here you see how a box with a 4 pixel rgb(0, 199, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6369, 0.2391, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 167) }
```

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

```
.background{ background-color: rgb(0, 199,  
167) }
```

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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