

Converting Colors

$Yxy(43.6756, 0.2395, 0.3808)$

Have a look what the booklet for
Yxy(43.6756, 0.2395, 0.3808)
contains.

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Color

Yxy(43.6691, 0.2395, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	05C7A7
RGB	5, 199, 167
RGB Percent	2%, 78%, 65%
CMY	0.9787, 0.2196, 0.3451
CMYK	0.97, 0.00, 0.16, 0.22
HSL	170°, 95%, 40%
HSV	170°, 97%, 78%
XYZ	27.4652, 43.6691, 43.5430
YIQ	137.3460, -105.3520, -51.0800

Conversions

Conversions Part 2

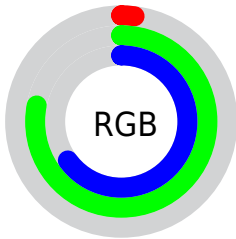
Format	Color
RYB	5, 111, 199
Decimal	378791
CIELab	72.01, -48.78, 4.39
CIELCh	72, 48.975, 174.862
Yxy	43.6691, 0.2395, 0.3808
Android (android.graphics.Color)	4278568871 (0xFF05C7A7)
YUV	137.3460, 14.6194, -116.0674
Hunter-Lab	66.0826, -41.4565, 7.1906

Details

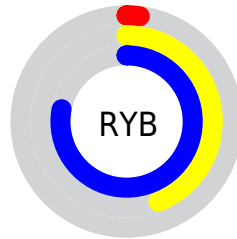
The Yxy color **43.6691, 0.2395, 0.3808** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.3960, 0.6100, 0.3157**, and the grayscale version is **25.1793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6775, 0.2527, 0.3692**, and **21.1843, 0.2426, 0.3932** is the 20% darker color. If you saturate the color by 10%, you get **43.6025, 0.2396, 0.3824**, and if you desaturate by 10%, it is **43.9699, 0.2398, 0.3750**.

Distribution



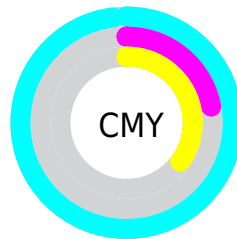
- Red (2%)
- Green (78%)
- Blue (65%)



- Red (2%)
- Yellow (44%)
- Blue (78%)



- Cyan (97%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)





- Cyan (98%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6691, 0.2395, 0.3808 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 43.6691, 0.2395, 0.3808 by changing the saturation by 10% instead.


 43.6691, 0.2395,
0.3808


 43.6691, 0.2395,
0.3808

361.3563, 0.2764,
0.3542


 30.4105, 0.2302,
0.3876


 80.7196, 0.2530,
0.3710


 20.1503, 0.2183,
0.3966


 105.2802, 0.2580,
0.3673

 12.5044, 0.2025,
0.4086


 134.3770, 0.2623,
0.3643

 7.0882, 0.1806,
0.4257

 168.3942, 0.2659,
0.3617

 3.5173, 0.1487,
0.4517

 207.7164, 0.2691,
0.3594

 1.4074, 0.0276,
0.5348

252.7278, 0.2718,

 0.2222, 0.0000,

0.3574

1.0000

303.8130, 0.2743,
0.3557

■ 0.0000, 0.0000,
0.0000

■ 43.6691, 0.2395,
0.3808

■ 43.6691, 0.2395,
0.3808

■ 43.6025, 0.2396,
0.3824

■ 43.9699, 0.2398,
0.3750

■ 44.4485, 0.2417,
0.3690

■ 45.1432, 0.2456,
0.3631

■ 46.0804, 0.2515,
0.3573

■ 47.2826, 0.2591,
0.3517

■ 48.7699, 0.2683,
0.3462

■ 50.5602, 0.2790,
0.3411

■ 52.6703, 0.2907,
0.3363

■ 55.1153, 0.3033,
0.3319

Harmonies

Analogous

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



43.6691, 0.2999, 0.4409



43.6691, 0.2395, 0.3808



43.6691, 0.2013, 0.3078

Triad

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



43.6691, 0.2395, 0.3808



43.6691, 0.2494, 0.2239



43.6691, 0.4511, 0.3827

Complementary

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



43.6691, 0.2395, 0.3808



12.3960, 0.6100, 0.3157

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.



43.6691, 0.4376, 0.3302



43.6691, 0.2395, 0.3808



43.6691, 0.3133, 0.2439

Square

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



43.6691, 0.2395, 0.3808



43.6691, 0.2072, 0.2257



43.6691, 0.3846, 0.2815



43.6691, 0.4233, 0.4303

Rectangle

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



43.6691, 0.2395, 0.3808



43.6691, 0.1912, 0.2683



43.6691, 0.3846, 0.2815



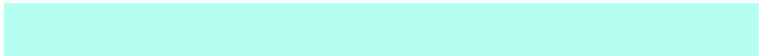
43.6691, 0.4515, 0.3653

Sweetspot

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



43.6708, 0.2395, 0.3808



87.8075, 0.2766, 0.3422



41.2637, 0.3056, 0.5937



18.5006, 0.2719, 0.3444



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.



43.6708, 0.2395, 0.3808



76.3167, 0.2398, 0.3832



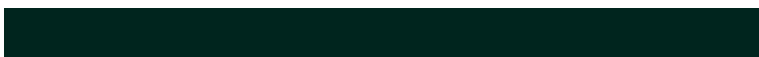
21.3410, 0.1946, 0.2190



12.0363, 0.3005, 0.3328



28.0495, 0.2393, 0.3816



1.3364, 0.2359, 0.3694

Inverse Universe

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



12.3960, 0.6100, 0.3157



21.4282, 0.6196, 0.3187



16.5287, 0.5819, 0.3732



10.6651, 0.3264, 0.3252



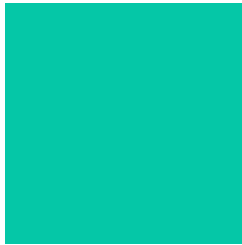
7.8867, 0.6142, 0.3157



0.3826, 0.5610, 0.2864

Previews

White Background



This preview shows how the Yxy color 43.6691, 0.2395, 0.3808 looks on a white background.

Color Contrast Check

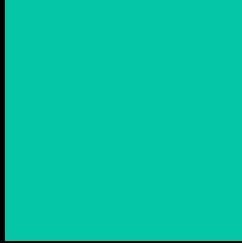
Large Text (above 18pt) WCAG AA × Fail

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 43.6691, 0.2395, 0.3808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

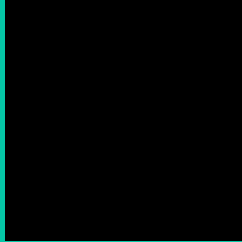
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

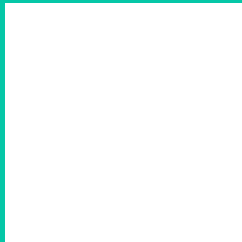
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.6691, 0.2395, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 43.6691, 0.2395, 0.3808.



This preview shows how white text looks on a background with the Yxy color 43.6691, 0.2395, 0.3808.

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

43.6691, 0.2395, 0.3808

Protanopia

43.0603, 0.3377, 0.3574

Deuteranopia

42.5995, 0.3305, 0.3239



Tritanopia

43.6132, 0.2258, 0.3052

Trichromacy



Original Color

43.6691, 0.2395, 0.3808



Protanomaly

40.6357, 0.2793, 0.3677



Deuteranomaly

39.8679, 0.2748, 0.3425



Tritanomaly

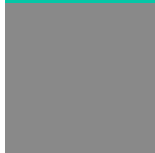
43.3373, 0.2290, 0.3303

Monochromacy



Original Color

43.6691, 0.2395, 0.3808



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

29.4036, 0.2624, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6691, 0.2395, 0.3808 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(5, 199, 167)` looks like.

```
.text, #text, p{  
    color:rgb(5, 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(5, 199, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 199, 167) }
```

Border

The CSS property to change the border of an element to Yxy 43.6691, 0.2395, 0.3808 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(5, 199, 167) }
```

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

```
.border{ border-color:rgb(5, 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(5, 199, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 199, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 199, 167);  
box-shadow:4px 4px 4px 4px rgb(5, 199,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6691, 0.2395, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 199, 167) }
```

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

```
.background{ background-color: rgb(5, 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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