

Converting Colors

$Yxy(46.0804, 0.2399, 0.3837)$

Have a look what the booklet for
Yxy(46.0804, 0.2399, 0.3837)
contains.

Yxy(46.0880, 0.2397, 0.3830)	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(46.0880, 0.2397, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	00CCAA
RGB	0, 204, 170
RGB Percent	0%, 80%, 67%
CMY	1.0000, 0.2000, 0.3334
CMYK	1.00, 0.00, 0.17, 0.20
HSL	170°, 100%, 40%
HSV	170°, 100%, 80%
XYZ	28.8441, 46.0880, 45.4021
YIQ	139.1280, -110.6700, -53.8220

Conversions

Conversions Part 2

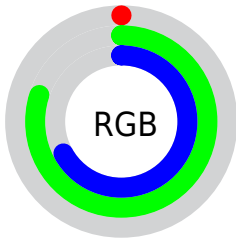
Format	Color
RYB	0, 111, 204
Decimal	52394
CIELab	73.60, -50.22, 5.07
CIELCh	74, 50.471, 174.235
Yxy	46.0880, 0.2397, 0.3830
Android (android.graphics.Color)	4278242474 (0xFF00CCAA)
YUV	139.1280, 15.2199, -122.0153
Hunter-Lab	67.8881, -42.9637, 7.8699

Details

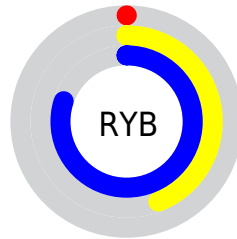
The Yxy color **46.0880, 0.2397, 0.3830** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.9543, 0.6170, 0.3172**, and the grayscale version is **25.8446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8398, 0.2514, 0.3653**, and **22.8029, 0.2433, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **46.0923, 0.2397, 0.3830**, and if you desaturate by 10%, it is **46.3756, 0.2397, 0.3771**.

Distribution



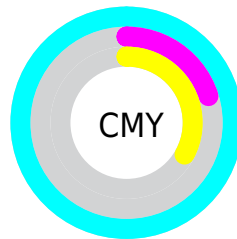
- Red (0%)
- Green (80%)
- Blue (67%)



- Red (0%)
- Yellow (44%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0880, 0.2397, 0.3830 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 46.0880, 0.2397, 0.3830 by changing the saturation by 10% instead.


 46.0880, 0.2397,
0.3830

 46.0880, 0.2397,
0.3830


371.1623, 0.2763,
0.3554


 32.3153, 0.2306,
0.3900


 84.3507, 0.2530,
0.3729


 21.6024, 0.2190,
0.3992


 109.6094, 0.2580,
0.3691


 13.5651, 0.2037,
0.4114


 139.4656, 0.2622,
0.3659

 7.8188, 0.1826,
0.4288

 174.3037, 0.2658,
0.3632

 3.9792, 0.1521,
0.4549

 214.5080, 0.2689,
0.3609

 1.6619, 0.0644,
0.5211

260.4629, 0.2717,

 0.3988, 0.0000,

0.3588

0.8332

312.5529, 0.2741,
0.3570

■ 0.0000, 0.0000,
0.0000

■ 46.0880, 0.2397,
0.3830

■ 46.0880, 0.2397,
0.3830

■ 46.0923, 0.2397,
0.3830

■ 46.3756, 0.2397,
0.3771

■ 46.8238, 0.2411,
0.3711

■ 47.4922, 0.2444,
0.3652

■ 48.4103, 0.2497,
0.3592

■ 49.6032, 0.2568,
0.3535

■ 51.0928, 0.2657,
0.3479

■ 52.8989, 0.2760,
0.3426

■ 55.0394, 0.2874,
0.3377

■ 57.5309, 0.2998,
0.3331

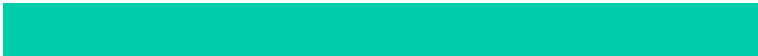
Harmonies

Analogous

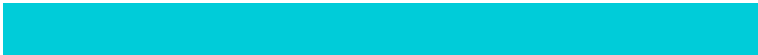
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0880, 0.3010, 0.4433



46.0880, 0.2397, 0.3830



46.0880, 0.2006, 0.3088

Triad

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



46.0880, 0.2397, 0.3830



46.0880, 0.2475, 0.2226



46.0880, 0.4528, 0.3820

Complementary

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



46.0880, 0.2397, 0.3830



12.9543, 0.6170, 0.3172

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.



46.0880, 0.4384, 0.3290



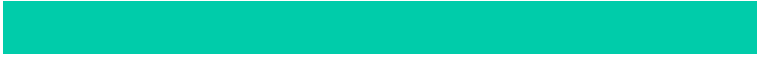
46.0880, 0.2397, 0.3830



46.0880, 0.3117, 0.2424

Square

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



46.0880, 0.2397, 0.3830



46.0880, 0.2054, 0.2249



46.0880, 0.3841, 0.2800



46.0880, 0.4254, 0.4304

Rectangle

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



46.0880, 0.2397, 0.3830



46.0880, 0.1901, 0.2686



46.0880, 0.3841, 0.2800



46.0880, 0.4530, 0.3644

Sweetspot

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



46.0923, 0.2397, 0.3830



87.4698, 0.2755, 0.3428



43.5910, 0.3056, 0.5955



18.4365, 0.2710, 0.3450



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.



46.0923, 0.2397, 0.3830



76.2979, 0.2399, 0.3837



22.9432, 0.1948, 0.2214



12.6937, 0.3005, 0.3329



29.0199, 0.2395, 0.3822



1.5059, 0.2363, 0.3706

Inverse Universe

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



12.9543, 0.6170, 0.3172



21.4309, 0.6193, 0.3185



16.5739, 0.5932, 0.3672



11.2437, 0.3264, 0.3252



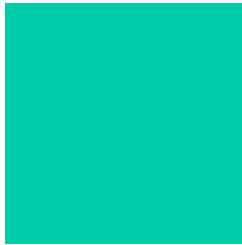
8.1621, 0.6141, 0.3157



0.4308, 0.5638, 0.2879

Previews

White Background



This preview shows how the Yxy color 46.0880, 0.2397, 0.3830 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 46.0880, 0.2397, 0.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

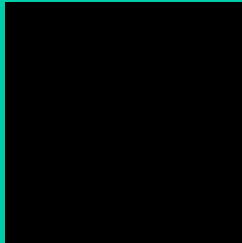
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

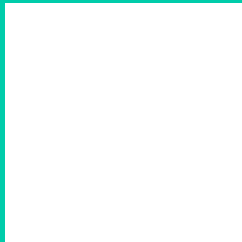
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0880, 0.2397, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 46.0880, 0.2397, 0.3830.



This preview shows how white text looks on a background with the Yxy color 46.0880, 0.2397, 0.3830.

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

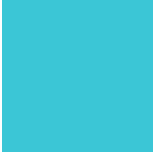
46.0880, 0.2397, 0.3830

Protanopia

45.3659, 0.3389, 0.3581

Deuteranopia

45.4522, 0.3318, 0.3253



Tritanopia

46.1730, 0.2260, 0.3057

Trichromacy



Original Color

46.0880, 0.2397, 0.3830



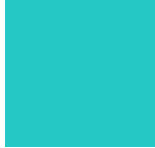
Protanomaly

42.5681, 0.2792, 0.3685



Deuteranomaly

42.1895, 0.2749, 0.3453



Tritanomaly

45.7978, 0.2293, 0.3318

Monochromacy



Original Color

46.0880, 0.2397, 0.3830



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.4711, 0.2612, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0880, 0.2397, 0.3830 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, 204, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 170)  
}
```

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, 204, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 170) }
```

Border

The CSS property to change the border of an element to Yxy 46.0880, 0.2397, 0.3830 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, 204, 170) }
```

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

```
.border{ border-color:rgb(0, 204, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0880, 0.2397, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 170) }
```

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

```
.background{ background-color: rgb(0, 204,  
170) }
```

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