

Converting Colors

$Yxy(43.6734, 0.1996, 0.4021)$

Have a look what the booklet for
Yxy(43.6734, 0.1996, 0.4021)
contains.

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Color

Yxy(47.3788, 0.2428, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	00CFA6
RGB	0, 207, 166
RGB Percent	0%, 81%, 65%
CMY	0.9989, 0.1882, 0.3491
CMYK	1.00, 0.00, 0.20, 0.19
HSL	168°, 100%, 41%
HSV	168°, 100%, 81%
XYZ	29.1969, 47.3788, 43.6751
YIQ	140.4330, -110.2110, -56.6350

Conversions

Conversions Part 2

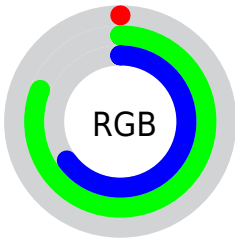
Format	Color
RYB	0, 115, 207
Decimal	53158
CIELab	74.43, -52.42, 8.42
CIELCh	74, 53.095, 170.878
Yxy	47.3788, 0.2428, 0.3940
Android (android.graphics.Color)	4278243238 (0xFF00CFA6)
YUV	140.4330, 12.6045, -123.1597
Hunter-Lab	68.8323, -44.7413, 10.5622

Details

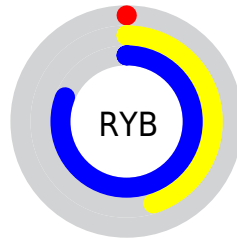
The Yxy color **47.3788, 0.2428, 0.3940** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.4337, 0.6091, 0.3130**, and the grayscale version is **26.4182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6835, 0.2534, 0.3704**, and **23.3481, 0.2469, 0.4086** is the 20% darker color. If you saturate the color by 10%, you get **47.3769, 0.2428, 0.3941**, and if you desaturate by 10%, it is **47.6912, 0.2424, 0.3868**.

Distribution



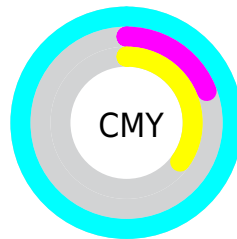
- Red (0%)
- Green (81%)
- Blue (65%)



- Red (0%)
- Yellow (45%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3788, 0.2428, 0.3940 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 47.3788, 0.2428, 0.3940 by changing the saturation by 10% instead.


 47.3788, 0.2428,
0.3940

 47.3788, 0.2428,
0.3940


376.3245, 0.2779,
0.3605


 33.3352, 0.2340,
0.4026


 86.2788, 0.2556,
0.3816

 22.3834, 0.2228,
0.4139


 111.9040, 0.2604,
0.3770


 14.1389, 0.2079,
0.4292


 142.1585, 0.2644,
0.3732

 8.2173, 0.1873,
0.4509

 177.4267, 0.2679,
0.3699

 4.2343, 0.1573,
0.4843

 218.0930, 0.2709,
0.3671

 1.8055, 0.0744,
0.5629

264.5418, 0.2736,

 0.4906, 0.0000,

0.3646

1.0000

317.1575, 0.2759,
0.3624

■ 0.0000, 0.0000,
0.0000

■ 47.3788, 0.2428,
0.3940

■ 47.3788, 0.2428,
0.3940

■ 47.3769, 0.2428,
0.3941

■ 47.6912, 0.2424,
0.3868

■ 48.1754, 0.2436,
0.3796

■ 48.8892, 0.2467,
0.3724

■ 49.8632, 0.2518,
0.3652

■ 51.1232, 0.2587,
0.3582

■ 52.6920, 0.2673,
0.3516

■ 54.5900, 0.2772,
0.3452

■ 56.8359, 0.2884,
0.3393

■ 59.4469, 0.3003,
0.3339

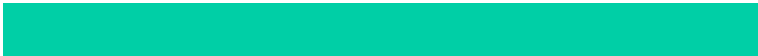
Harmonies

Analogous

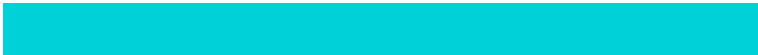
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.3788, 0.3081, 0.4531



47.3788, 0.2428, 0.3940



47.3788, 0.1995, 0.3157

Triad

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



47.3788, 0.2428, 0.3940



47.3788, 0.2387, 0.2179



47.3788, 0.4592, 0.3772

Complementary

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



47.3788, 0.2428, 0.3940



13.4337, 0.6091, 0.3130

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.



47.3788, 0.4392, 0.3226



47.3788, 0.2428, 0.3940



47.3788, 0.3032, 0.2360

Square

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



47.3788, 0.2428, 0.3940



47.3788, 0.1984, 0.2228



47.3788, 0.3789, 0.2730



47.3788, 0.4346, 0.4289

Rectangle

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



47.3788, 0.2428, 0.3940



47.3788, 0.1866, 0.2720



47.3788, 0.3789, 0.2730



47.3788, 0.4577, 0.3589

Sweetspot

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



47.3806, 0.2428, 0.3940



87.3249, 0.2767, 0.3455



45.1111, 0.3066, 0.5947



18.4016, 0.2723, 0.3482



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.



47.3806, 0.2428, 0.3940



75.8992, 0.2430, 0.3949



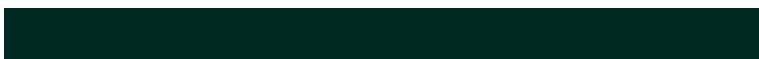
24.7525, 0.1965, 0.2275



13.3652, 0.3009, 0.3336



29.8629, 0.2425, 0.3931



1.6802, 0.2389, 0.3799

Inverse Universe

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



13.4337, 0.6091, 0.3130



21.4954, 0.6119, 0.3145



16.7433, 0.5971, 0.3639



11.8460, 0.3260, 0.3244



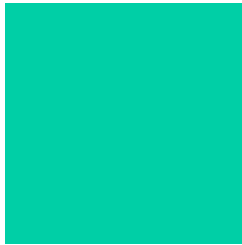
8.4698, 0.6064, 0.3114



0.4851, 0.5554, 0.2833

Previews

White Background



This preview shows how the Yxy color 47.3788, 0.2428, 0.3940 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 47.3788, 0.2428, 0.3940 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

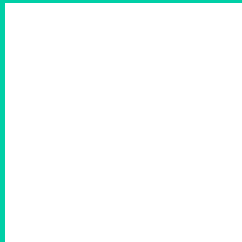
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.3788, 0.2428, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 47.3788, 0.2428, 0.3940.

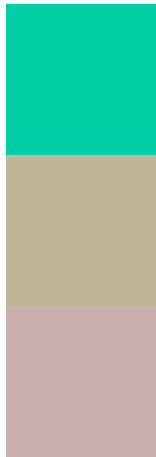


This preview shows how white text looks on a background with the Yxy color 47.3788, 0.2428, 0.3940.

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

47.3788, 0.2428, 0.3940

Protanopia

46.4240, 0.3446, 0.3656

Deuteranopia

46.2336, 0.3387, 0.3316



Tritanopia

47.2906, 0.2267, 0.3059

Trichromacy



Original Color

47.3788, 0.2428, 0.3940



Protanomaly

43.4331, 0.2834, 0.3775



Deuteranomaly

43.1101, 0.2799, 0.3541



Tritanomaly

47.2402, 0.2308, 0.3362

Monochromacy



Original Color

47.3788, 0.2428, 0.3940



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.2859, 0.2630, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3788, 0.2428, 0.3940 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, 207, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 166)  
}
```

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, 207, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 166) }
```

Border

The CSS property to change the border of an element to Yxy 47.3788, 0.2428, 0.3940 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, 207, 166) }
```

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

```
.border{ border-color:rgb(0, 207, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3788, 0.2428, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 166) }
```

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

```
.background{ background-color: rgb(0, 207,  
166) }
```

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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