

Converting Colors

$Y_{xy}(42.1875, 0.2081, 0.3917)$

Have a look what the booklet for
Yxy(42.1875, 0.2081, 0.3917)
contains.

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Color

Yxy(44.9942, 0.2408, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	00CAA6
RGB	0, 202, 166
RGB Percent	0%, 79%, 65%
CMY	1.0000, 0.2078, 0.3489
CMYK	1.00, 0.00, 0.18, 0.21
HSL	169°, 100%, 40%
HSV	169°, 100%, 79%
XYZ	28.0036, 44.9942, 43.2963
YIQ	137.4980, -108.8360, -54.0200

Conversions

Conversions Part 2

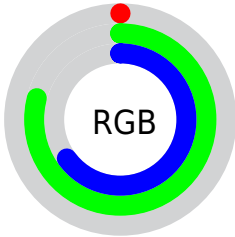
Format	Color
RYB	0, 111, 202
Decimal	51878
CIELab	72.89, -50.43, 6.18
CIELCh	73, 50.809, 173.009
Yxy	44.9942, 0.2408, 0.3869
Android (android.graphics.Color)	4278241958 (0xFF00CAA6)
YUV	137.4980, 14.0515, -120.5857
Hunter-Lab	67.0777, -42.8658, 8.6848

Details

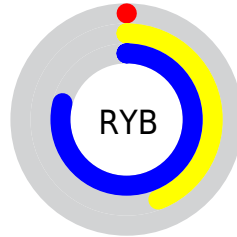
The Yxy color **44.9942, 0.2408, 0.3869** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.6843, 0.6142, 0.3157**, and the grayscale version is **25.1930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5652, 0.2528, 0.3705**, and **22.0823, 0.2448, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **44.9968, 0.2408, 0.3869**, and if you desaturate by 10%, it is **45.2816, 0.2406, 0.3805**.

Distribution



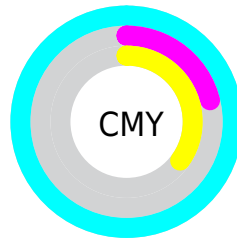
- Red (0%)
- Green (79%)
- Blue (65%)



- Red (0%)
- Yellow (44%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9942, 0.2408, 0.3869 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 44.9942, 0.2408, 0.3869 by changing the saturation by 10% instead.


 44.9942, 0.2408,
0.3869

 44.9942, 0.2408,
0.3869


366.7501, 0.2771,
0.3571


 31.4529, 0.2317,
0.3946

 82.7117, 0.2540,
0.3759


 20.9439, 0.2200,
0.4047


 107.6567, 0.2590,
0.3718

 13.0830, 0.2046,
0.4183

 137.1716, 0.2632,
0.3683

 7.4857, 0.1831,
0.4377

 171.6409, 0.2667,
0.3654

 3.7677, 0.1518,
0.4674

 211.4491, 0.2698,
0.3629

 1.5445, 0.0447,
0.5517

256.9804, 0.2725,

 0.3197, 0.0000,

0.3607

1.0000

308.6192, 0.2749,
0.3588

■ 0.0000, 0.0000,
0.0000

■ 44.9942, 0.2408,
0.3869

■ 44.9942, 0.2408,
0.3869

■ 44.9968, 0.2408,
0.3869

■ 45.2816, 0.2406,
0.3805

■ 45.7276, 0.2420,
0.3741

■ 46.3893, 0.2453,
0.3677

■ 47.2956, 0.2505,
0.3614

■ 48.4708, 0.2575,
0.3552

■ 49.9364, 0.2662,
0.3492

■ 51.7116, 0.2764,
0.3436

■ 53.8140, 0.2877,
0.3383

■ 56.2598, 0.2999,
0.3334

Harmonies

Analogous

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



44.9942, 0.3035, 0.4469



44.9942, 0.2408, 0.3869



44.9942, 0.2002, 0.3113

Triad

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



44.9942, 0.2408, 0.3869



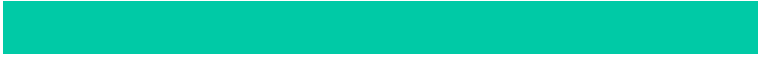
44.9942, 0.2443, 0.2209



44.9942, 0.4551, 0.3803

Complementary

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



44.9942, 0.2408, 0.3869



12.6843, 0.6142, 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.



44.9942, 0.4387, 0.3267



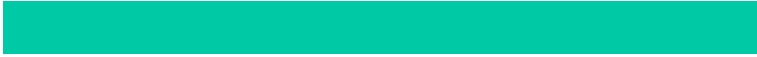
44.9942, 0.2408, 0.3869



44.9942, 0.3087, 0.2401

Square

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



44.9942, 0.2408, 0.3869



44.9942, 0.2029, 0.2241



44.9942, 0.3822, 0.2775



44.9942, 0.4287, 0.4299

Rectangle

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



44.9942, 0.2408, 0.3869



44.9942, 0.1888, 0.2698



44.9942, 0.3822, 0.2775



44.9942, 0.4547, 0.3624

Sweetspot

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



44.9968, 0.2408, 0.3869



87.4175, 0.2760, 0.3438



42.6367, 0.3057, 0.5955



18.4239, 0.2715, 0.3462



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.



44.9968, 0.2408, 0.3869



76.1523, 0.2410, 0.3877



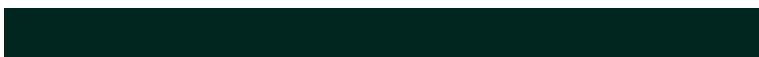
22.4517, 0.1949, 0.2215



12.6914, 0.3007, 0.3332



28.9657, 0.2406, 0.3860



1.5035, 0.2371, 0.3736

Inverse Universe

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



12.6843, 0.6142, 0.3157



21.4527, 0.6168, 0.3172



16.2202, 0.5931, 0.3673



11.2458, 0.3262, 0.3249



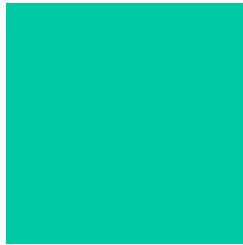
8.1713, 0.6114, 0.3142



0.4318, 0.5594, 0.2855

Previews

White Background



This preview shows how the Yxy color 44.9942, 0.2408, 0.3869 looks on a white background.

Color Contrast Check

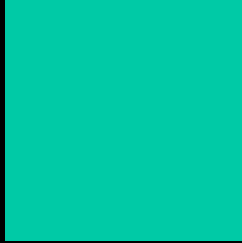
Large Text (above 18pt) WCAG AA × Fail

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 44.9942, 0.2408, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

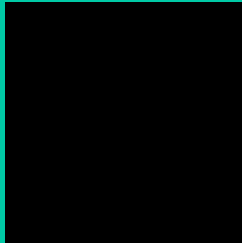
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9942, 0.2408, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 44.9942, 0.2408, 0.3869.



This preview shows how white text looks on a background with the Yxy color 44.9942, 0.2408, 0.3869.

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

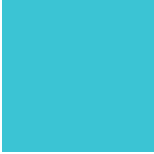
44.9942, 0.2408, 0.3869

Protanopia

44.1833, 0.3409, 0.3611

Deuteranopia

44.2579, 0.3337, 0.3278



Tritanopia

45.1631, 0.2261, 0.3055

Trichromacy



Original Color

44.9942, 0.2408, 0.3869



Protanomaly

41.4380, 0.2802, 0.3722



Deuteranomaly

41.1292, 0.2766, 0.3485



Tritanomaly

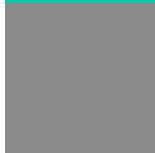
44.7404, 0.2298, 0.3333

Monochromacy



Original Color

44.9942, 0.2408, 0.3869



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.7026, 0.2620, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9942, 0.2408, 0.3869 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, 202, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 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, 202, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 166) }
```

Border

The CSS property to change the border of an element to Yxy 44.9942, 0.2408, 0.3869 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, 202, 166) }
```

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

```
.border{ border-color:rgb(0, 202, 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, 202, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9942, 0.2408, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 166) }
```

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

```
.background{ background-color: rgb(0, 202,  
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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