

Converting Colors

$Y_{xy}(43.9285, 0.2365, 0.3712)$

Have a look what the booklet for
Yxy(43.9285, 0.2365, 0.3712)
contains.

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Color

Yxy(43.8704, 0.2364, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	02C7AD
RGB	2, 199, 173
RGB Percent	1%, 78%, 68%
CMY	0.9932, 0.2196, 0.3216
CMYK	0.99, 0.00, 0.13, 0.22
HSL	172°, 98%, 39%
HSV	172°, 99%, 78%
XYZ	27.9842, 43.8704, 46.5220
YIQ	137.1330, -109.0660, -49.8500

Conversions

Conversions Part 2

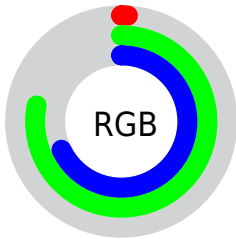
Format	Color
RYB	2, 107, 199
Decimal	182189
CIELab	72.14, -47.29, 1.33
CIELCh	72, 47.310, 178.386
Yxy	43.8704, 0.2364, 0.3706
Android (android.graphics.Color)	4278372269 (0xFF02C7AD)
YUV	137.1330, 17.6824, -118.5116
Hunter-Lab	66.2347, -40.4943, 4.7201

Details

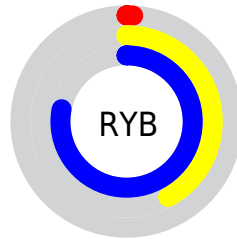
The Yxy color **43.8704, 0.2364, 0.3706** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.2613, 0.6219, 0.3207**, and the grayscale version is **24.9969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0050, 0.2502, 0.3615**, and **21.3270, 0.2387, 0.3791** is the 20% darker color. If you saturate the color by 10%, you get **43.8522, 0.2364, 0.3710**, and if you desaturate by 10%, it is **44.1298, 0.2368, 0.3660**.

Distribution



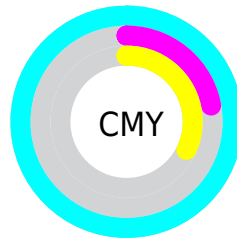
- Red (1%)
- Green (78%)
- Blue (68%)



- Red (1%)
- Yellow (42%)
- Blue (78%)



- Cyan (99%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)



- Cyan (99%)
- Magenta (22%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8704, 0.2364, 0.3706 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 43.8704, 0.2364, 0.3706 by changing the saturation by 10% instead.


 43.8704, 0.2364,
0.3706

 43.8704, 0.2364,
0.3706


362.1792, 0.2746,
0.3496


 30.5686, 0.2269,
0.3759


 81.0227, 0.2503,
0.3630


 20.2706, 0.2148,
0.3826


 105.6420, 0.2555,
0.3601

 12.5919, 0.1988,
0.3916

 134.8026, 0.2599,
0.3577

 7.1481, 0.1768,
0.4041

 168.8890, 0.2637,
0.3556

 3.5549, 0.1451,
0.4224

 208.2854, 0.2670,
0.3538

 1.4278, 0.0413,
0.4790

253.3763, 0.2698,

 0.2371, 0.0000,

0.3522

0.5896

304.5461, 0.2724,
0.3509

■ 0.0000, 0.0000,
0.0000

■ 43.8704, 0.2364,
0.3706

■ 43.8704, 0.2364,
0.3706

■ 43.8522, 0.2364,
0.3710

■ 44.1298, 0.2368,
0.3660

■ 44.5503, 0.2387,
0.3614

■ 45.1802, 0.2424,
0.3568

■ 46.0468, 0.2482,
0.3522

■ 47.1733, 0.2557,
0.3478

■ 48.5802, 0.2650,
0.3434

■ 50.2857, 0.2757,
0.3393

■ 52.3067, 0.2876,
0.3355

■ 54.6588, 0.3004,
0.3320

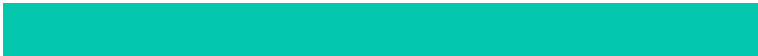
Harmonies

Analogous

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



43.8704, 0.2931, 0.4316



43.8704, 0.2364, 0.3706



43.8704, 0.2022, 0.3013

Triad

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



43.8704, 0.2364, 0.3706



43.8704, 0.2579, 0.2283



43.8704, 0.4452, 0.3874

Complementary

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



43.8704, 0.2364, 0.3706



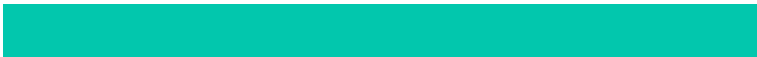
12.2613, 0.6219, 0.3207

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.



43.8704, 0.4369, 0.3365



43.8704, 0.2364, 0.3706



43.8704, 0.3215, 0.2500

Square

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



43.8704, 0.2364, 0.3706



43.8704, 0.2140, 0.2275



43.8704, 0.3896, 0.2883



43.8704, 0.4147, 0.4317

Rectangle

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



43.8704, 0.2364, 0.3706



43.8704, 0.1944, 0.2650



43.8704, 0.3896, 0.2883



43.8704, 0.4471, 0.3706

Sweetspot

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



43.8721, 0.2364, 0.3706



87.6317, 0.2742, 0.3399



41.0952, 0.3036, 0.5966



18.4757, 0.2695, 0.3416



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.



43.8721, 0.2364, 0.3706



76.7610, 0.2366, 0.3717



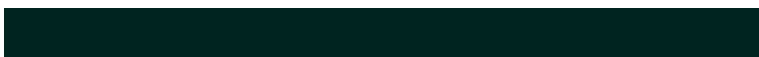
19.2258, 0.1904, 0.2047



12.0426, 0.3001, 0.3321



28.2091, 0.2362, 0.3704



1.3426, 0.2336, 0.3608

Inverse Universe

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



12.2613, 0.6219, 0.3207



21.3733, 0.6261, 0.3223



17.0501, 0.5777, 0.3786



10.6593, 0.3269, 0.3260



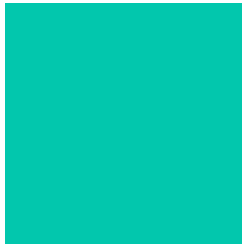
7.8637, 0.6215, 0.3197



0.3800, 0.5749, 0.2941

Previews

White Background



This preview shows how the Yxy color 43.8704, 0.2364, 0.3706 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 43.8704, 0.2364, 0.3706 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 43.8704, 0.2364, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 43.8704, 0.2364, 0.3706.

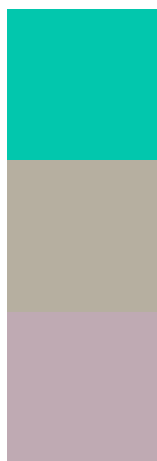


This preview shows how white text looks on a background with the Yxy color 43.8704, 0.2364, 0.3706.

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

43.8769, 0.2364, 0.3706

Protanopia

43.1431, 0.3316, 0.3492

Deuteranopia

43.0805, 0.3242, 0.3174



Tritanopia

44.0210, 0.2250, 0.3052

Trichromacy



Original Color

43.8769, 0.2364, 0.3706



Protanomaly

40.7106, 0.2739, 0.3582



Deuteranomaly

40.3596, 0.2696, 0.3349



Tritanomaly

43.8684, 0.2276, 0.3272

Monochromacy



Original Color

43.8769, 0.2364, 0.3706



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

29.4183, 0.2604, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8704, 0.2364, 0.3706 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(2, 199, 173)` looks like.

```
.text, #text, p{  
    color:rgb(2, 199, 173)  
}
```

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(2, 199, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 199, 173) }
```

Border

The CSS property to change the border of an element to Yxy 43.8704, 0.2364, 0.3706 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(2, 199, 173) }
```

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

```
.border{ border-color:rgb(2, 199, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 199, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 199, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 199, 173);  
box-shadow:4px 4px 4px 4px rgb(2, 199,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8704, 0.2364, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 199, 173) }
```

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

```
.background{ background-color: rgb(2, 199,  
173) }
```

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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