

Converting Colors

$Y_{xy}(42.1654, 0.2221, 0.3783)$

Have a look what the booklet for
Yxy(42.1654, 0.2221, 0.3783)
contains.

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Color

Yxy(43.7114, 0.2382, 0.3774)

Conversions

Conversions Part 1

Format	Color
Hex	00C7A9
RGB	0, 199, 169
RGB Percent	0%, 78%, 66%
CMY	0.9984, 0.2196, 0.3372
CMYK	1.00, 0.00, 0.15, 0.22
HSL	171°, 100%, 39%
HSV	171°, 100%, 78%
XYZ	27.5889, 43.7114, 44.5222
YIQ	136.0790, -108.9740, -51.5180

Conversions

Conversions Part 2

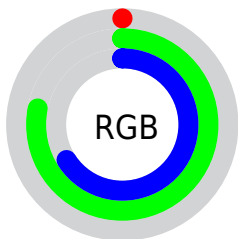
Format	Color
RYB	0, 108, 199
Decimal	51113
CIELab	72.04, -48.41, 3.34
CIELCh	72, 48.521, 176.054
Yxy	43.7114, 0.2382, 0.3774
Android (android.graphics.Color)	4278241193 (0xFF00C7A9)
YUV	136.0790, 16.2301, -119.3413
Hunter-Lab	66.1146, -41.2144, 6.3538

Details

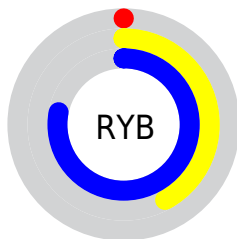
The Yxy color **43.7114, 0.2382, 0.3774** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.2467, 0.6196, 0.3189**, and the grayscale version is **24.6693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7266, 0.2515, 0.3666**, and **21.2309, 0.2413, 0.3885** is the 20% darker color. If you saturate the color by 10%, you get **43.7080, 0.2382, 0.3775**, and if you desaturate by 10%, it is **43.9767, 0.2383, 0.3721**.

Distribution



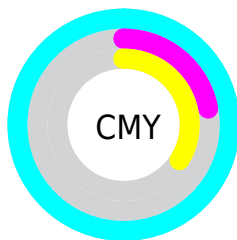
- Red (0%)
- Green (78%)
- Blue (66%)



- Red (0%)
- Yellow (42%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7114, 0.2382, 0.3774 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 43.7114, 0.2382, 0.3774 by changing the saturation by 10% instead.


 43.7114, 0.2382,
0.3774


 43.7114, 0.2382,
0.3774


361.5293, 0.2757,
0.3527


 30.4437, 0.2288,
0.3837


 80.7833, 0.2519,
0.3683


 20.1756, 0.2168,
0.3919

 105.3563, 0.2570,
0.3649


 12.5228, 0.2009,
0.4029


 134.4664, 0.2613,
0.3621

 7.1007, 0.1789,
0.4184

 168.4982, 0.2650,
0.3596

 3.5252, 0.1470,
0.4418

 207.8360, 0.2682,
0.3576

 1.4117, 0.0310,
0.5159

252.8642, 0.2710,


 0.2253, 0.0000,


0.3557


0.9498

303.9671, 0.2735,
0.3541

 0.0000, 0.0000,
0.0000


 43.7114, 0.2382,
0.3774


 43.7114, 0.2382,
0.3774

 43.7080, 0.2382,
0.3775

 43.9767, 0.2383,
0.3721

 44.3969, 0.2400,
0.3668

 45.0251, 0.2435,
0.3614

 45.8891, 0.2489,
0.3561

 47.0123, 0.2562,
0.3509

■ 48.4151, 0.2652,
0.3459

■ 50.1161, 0.2757,
0.3412

■ 52.1321, 0.2873,
0.3368

■ 54.4789, 0.2998,
0.3327

Harmonies

Analogous

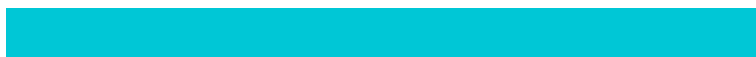
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.7114, 0.2975, 0.4381



43.7114, 0.2382, 0.3774



43.7114, 0.2013, 0.3054

Triad

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



43.7114, 0.2382, 0.3774



43.7114, 0.2521, 0.2251



43.7114, 0.4494, 0.3845

Complementary

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



43.7114, 0.2382, 0.3774



12.2467, 0.6196, 0.3189

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.



43.7114, 0.4378, 0.3324



43.7114, 0.2382, 0.3774



43.7114, 0.3161, 0.2458

Square

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



43.7114, 0.2382, 0.3774



43.7114, 0.2092, 0.2261



43.7114, 0.3866, 0.2837



43.7114, 0.4206, 0.4311

Rectangle

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



43.7114, 0.2382, 0.3774



43.7114, 0.1920, 0.2669



43.7114, 0.3866, 0.2837



43.7114, 0.4504, 0.3672

Sweetspot

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



43.7131, 0.2382, 0.3774



87.5423, 0.2749, 0.3415



41.1783, 0.3049, 0.5959



18.4541, 0.2703, 0.3435



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.



43.7131, 0.2382, 0.3774



76.5032, 0.2384, 0.3783



20.8476, 0.1933, 0.2158



12.0390, 0.3004, 0.3325



28.1165, 0.2380, 0.3768



1.3390, 0.2349, 0.3657

Inverse Universe

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



12.2467, 0.6196, 0.3189



21.4033, 0.6226, 0.3203



16.1109, 0.5881, 0.3710



10.6626, 0.3266, 0.3255



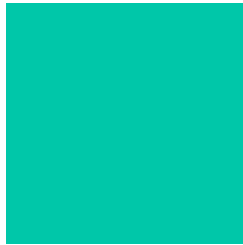
7.8763, 0.6175, 0.3175



0.3815, 0.5668, 0.2896

Previews

White Background



This preview shows how the Yxy color 43.7114, 0.2382, 0.3774 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 43.7114, 0.2382, 0.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

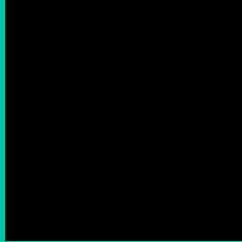
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7114, 0.2382, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 43.7114, 0.2382, 0.3774.

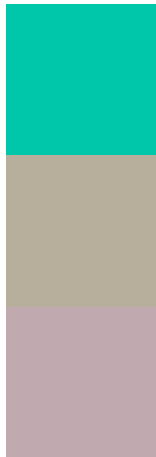


This preview shows how white text looks on a background with the Yxy color 43.7114, 0.2382, 0.3774.

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

43.7114, 0.2382, 0.3774

Protanopia

43.1275, 0.3360, 0.3546

Deuteranopia

43.0511, 0.3286, 0.3226



Tritanopia

43.5841, 0.2255, 0.3051

Trichromacy



Original Color

43.7114, 0.2382, 0.3774



Protanomaly

40.6361, 0.2773, 0.3645



Deuteranomaly

40.2025, 0.2722, 0.3410



Tritanomaly

43.3003, 0.2287, 0.3303

Monochromacy



Original Color

43.7114, 0.2382, 0.3774



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.9606, 0.2608, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7114, 0.2382, 0.3774 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, 199, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 169)  
}
```

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, 199, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 169) }
```

Border

The CSS property to change the border of an element to Yxy 43.7114, 0.2382, 0.3774 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, 199, 169) }
```

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

```
.border{ border-color:rgb(0, 199, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7114, 0.2382, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 169) }
```

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

```
.background{ background-color: rgb(0, 199,  
169) }
```

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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