

Converting Colors

$Yxy(39.5540, 0.1800, 0.3816)$

Have a look what the booklet for
Yxy(39.5540, 0.1800, 0.3816)
contains.

Yxy(44.2871, 0.2372, 0.3738)	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(44.2871, 0.2372, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	00C8AC
RGB	0, 200, 172
RGB Percent	0%, 78%, 67%
CMY	0.9983, 0.2157, 0.3256
CMYK	1.00, 0.00, 0.14, 0.22
HSL	172°, 100%, 39%
HSV	172°, 100%, 78%
XYZ	28.1030, 44.2871, 46.0880
YIQ	137.0080, -110.2120, -51.1080

Conversions

Conversions Part 2

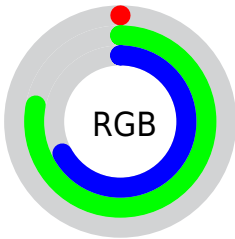
Format	Color
RYB	0, 108, 200
Decimal	51372
CIELab	72.42, -48.02, 2.28
CIELCh	72, 48.075, 177.279
Yxy	44.2871, 0.2372, 0.3738
Android (android.graphics.Color)	4278241452 (0xFF00C8AC)
YUV	137.0080, 17.2511, -120.1560
Hunter-Lab	66.5486, -41.0806, 5.5229

Details

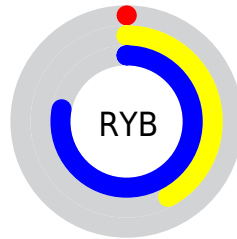
The Yxy color **44.2871, 0.2372, 0.3738** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.3745, 0.6218, 0.3201**, and the grayscale version is **25.0341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8908, 0.2503, 0.3628**, and **21.6069, 0.2399, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **44.2837, 0.2372, 0.3739**, and if you desaturate by 10%, it is **44.5483, 0.2374, 0.3689**.

Distribution



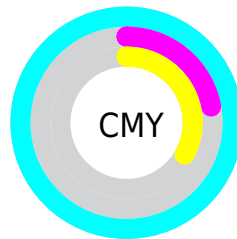
- Red (0%)
- Green (78%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)




- Cyan (100%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2871, 0.2372, 0.3738 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 44.2871, 0.2372, 0.3738 by changing the saturation by 10% instead.


 44.2871, 0.2372,
0.3738


 44.2871, 0.2372,
0.3738

363.8786, 0.2750,
0.3511

 30.8963, 0.2278,
0.3795


 81.6496, 0.2509,
0.3655


 20.5199, 0.2158,
0.3869


 106.3900, 0.2561,
0.3624


 12.7735, 0.1999,
0.3968


 135.6825, 0.2605,
0.3598

 7.2728, 0.1781,
0.4106

 169.9113, 0.2642,
0.3575

 3.6333, 0.1466,
0.4310

 209.4610, 0.2675,
0.3556

 1.4706, 0.0450,
0.4913

254.7158, 0.2703,

 0.2679, 0.0000,

0.3539

0.6696

306.0602, 0.2728,
0.3524

■ 0.0000, 0.0000,
0.0000

■ 44.2871, 0.2372,
0.3738

■ 44.2871, 0.2372,
0.3738

■ 44.2837, 0.2372,
0.3739

■ 44.5483, 0.2374,
0.3689

■ 44.9661, 0.2391,
0.3640

■ 45.5940, 0.2427,
0.3590

■ 46.4600, 0.2482,
0.3541

■ 47.5879, 0.2556,
0.3493

■ 48.9985, 0.2647,
0.3447

■ 50.7104, 0.2753,
0.3403

■ 52.7408, 0.2870,
0.3362

■ 55.1055, 0.2997,
0.3324

Harmonies

Analogous

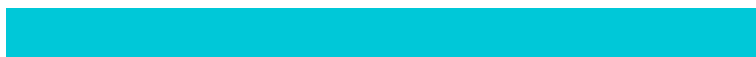
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.2871, 0.2951, 0.4347



44.2871, 0.2372, 0.3738



44.2871, 0.2017, 0.3032

Triad

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



44.2871, 0.2372, 0.3738



44.2871, 0.2551, 0.2268



44.2871, 0.4472, 0.3861

Complementary

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



44.2871, 0.2372, 0.3738



12.3745, 0.6218, 0.3201

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.



44.2871, 0.4374, 0.3346



44.2871, 0.2372, 0.3738



44.2871, 0.3190, 0.2480

Square

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



44.2871, 0.2372, 0.3738



44.2871, 0.2117, 0.2268



44.2871, 0.3882, 0.2861



44.2871, 0.4175, 0.4315

Rectangle

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



44.2871, 0.2372, 0.3738



44.2871, 0.1932, 0.2659



44.2871, 0.3882, 0.2861



44.2871, 0.4487, 0.3690

Sweetspot

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



44.2888, 0.2372, 0.3738



87.5918, 0.2745, 0.3406



41.5905, 0.3041, 0.5966



18.4660, 0.2699, 0.3424



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.



44.2888, 0.2372, 0.3738



76.6452, 0.2374, 0.3746



20.1778, 0.1917, 0.2098



12.0410, 0.3002, 0.3323



28.1675, 0.2370, 0.3732



1.3410, 0.2342, 0.3630

Inverse Universe

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



12.3745, 0.6218, 0.3201



21.3861, 0.6246, 0.3214



16.6953, 0.5838, 0.3744



10.6608, 0.3268, 0.3258



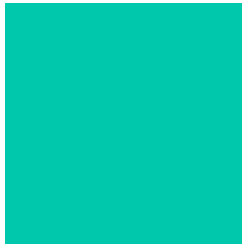
7.8692, 0.6197, 0.3188



0.3807, 0.5713, 0.2921

Previews

White Background



This preview shows how the Yxy color 44.2871, 0.2372, 0.3738 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 44.2871, 0.2372, 0.3738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

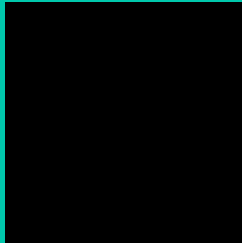
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.2871, 0.2372, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 44.2871, 0.2372, 0.3738.

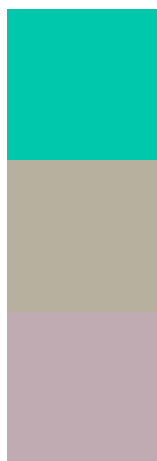


This preview shows how white text looks on a background with the Yxy color 44.2871, 0.2372, 0.3738.

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

44.2871, 0.2372, 0.3738

Protanopia

43.6212, 0.3332, 0.3519

Deuteranopia

43.5466, 0.3258, 0.3200



Tritanopia

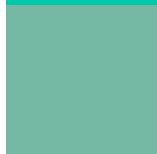
44.4956, 0.2256, 0.3067

Trichromacy



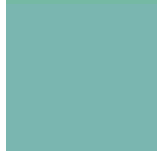
Original Color

44.2871, 0.2372, 0.3738



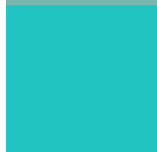
Protanomaly

41.1602, 0.2754, 0.3612



Deuteranomaly

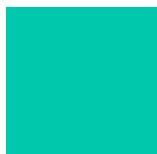
40.7281, 0.2704, 0.3379



Tritanomaly

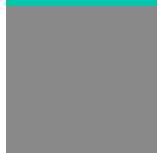
44.2754, 0.2284, 0.3303

Monochromacy



Original Color

44.2871, 0.2372, 0.3738



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

29.3699, 0.2597, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2871, 0.2372, 0.3738 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, 200, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 172)  
}
```

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, 200, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 172) }
```

Border

The CSS property to change the border of an element to Yxy 44.2871, 0.2372, 0.3738 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, 200, 172) }
```

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

```
.border{ border-color:rgb(0, 200, 172) }
```

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

Here you see how a box with a 4 pixel rgb(0, 200, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2871, 0.2372, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 172) }
```

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

```
.background{ background-color: rgb(0, 200,  
172) }
```

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