

Converting Colors

$Y_{xy}(47.6579, 0.2366, 0.3718)$

Have a look what the booklet for
Yxy(47.6579, 0.2366, 0.3718)
contains.

Yxy(47.8803, 0.2367, 0.3723)	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(47.8803, 0.2367, 0.3723)

Conversions

Conversions Part 1

Format	Color
Hex	00CFB3
RGB	0, 207, 179
RGB Percent	0%, 81%, 70%
CMY	1.0000, 0.1882, 0.2980
CMYK	1.00, 0.00, 0.14, 0.19
HSL	172°, 100%, 41%
HSV	172°, 100%, 81%
XYZ	30.4412, 47.8803, 50.2852
YIQ	141.9150, -114.3840, -52.5920

Conversions

Conversions Part 2

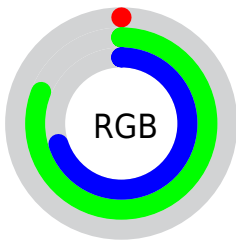
Format	Color
RYB	0, 111, 207
Decimal	53171
CIELab	74.75, -49.07, 1.87
CIELCh	75, 49.103, 177.816
Yxy	47.8803, 0.2367, 0.3723
Android (android.graphics.Color)	4278243251 (0xFF00CFB3)
YUV	141.9150, 18.2829, -124.4595
Hunter-Lab	69.1956, -42.5648, 5.3502

Details

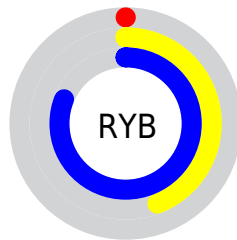
The Yxy color **47.8803, 0.2367, 0.3723** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.3515, 0.6236, 0.3209**, and the grayscale version is **26.9787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5214, 0.2479, 0.3528**, and **23.9628, 0.2398, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **47.8877, 0.2368, 0.3723**, and if you desaturate by 10%, it is **48.1584, 0.2369, 0.3676**.

Distribution



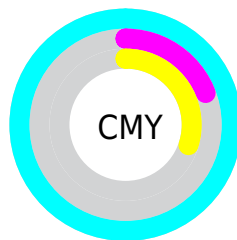
- Red (0%)
- Green (81%)
- Blue (70%)



- Red (0%)
- Yellow (44%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (19%)




- Cyan (100%)
- Magenta (19%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8803, 0.2367, 0.3723 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 47.8803, 0.2367, 0.3723 by changing the saturation by 10% instead.

 47.8803, 0.2367,
0.3723


 47.8803, 0.2367,
0.3723


378.3175, 0.2742,
0.3507


 33.7321, 0.2275,
0.3776


 87.0262, 0.2502,
0.3645

 22.6879, 0.2159,
0.3845


 112.7926, 0.2553,
0.3615


 14.3632, 0.2007,
0.3935


 143.2006, 0.2597,
0.3590

 8.3737, 0.1800,
0.4058

 178.6345, 0.2634,
0.3569

 4.3350, 0.1507,
0.4238

 219.4788, 0.2666,
0.3551

 1.8627, 0.0877,
0.4613

266.1178, 0.2695,

 0.5258, 0.0000,

0.3534

0.5435

318.9359, 0.2720,
0.3520

■ 0.0000, 0.0000,
0.0000

■ 47.8803, 0.2367,
0.3723

■ 47.8803, 0.2367,
0.3723

■ 47.8877, 0.2368,
0.3723

■ 48.1584, 0.2369,
0.3676

■ 48.5988, 0.2386,
0.3628

■ 49.2657, 0.2422,
0.3581

■ 50.1899, 0.2477,
0.3533

■ 51.3972, 0.2551,
0.3487

■ 52.9105, 0.2642,
0.3443

■ 54.7500, 0.2748,
0.3400

■ 56.9345, 0.2866,
0.3360

■ 59.4812, 0.2993,
0.3324

Harmonies

Analogous

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



47.8803, 0.2941, 0.4334



47.8803, 0.2367, 0.3723



47.8803, 0.2018, 0.3023

Triad

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



47.8803, 0.2367, 0.3723



47.8803, 0.2564, 0.2274



47.8803, 0.4464, 0.3868

Complementary

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



47.8803, 0.2367, 0.3723



13.3515, 0.6236, 0.3209

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.



47.8803, 0.4373, 0.3355



47.8803, 0.2367, 0.3723



47.8803, 0.3202, 0.2489

Square

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



47.8803, 0.2367, 0.3723



47.8803, 0.2127, 0.2270



47.8803, 0.3890, 0.2871



47.8803, 0.4163, 0.4317

Rectangle

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



47.8803, 0.2367, 0.3723



47.8803, 0.1937, 0.2654



47.8803, 0.3890, 0.2871



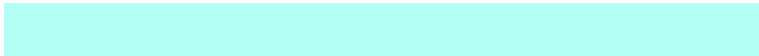
47.8803, 0.4481, 0.3698

Sweetspot

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



47.8877, 0.2368, 0.3723



87.6153, 0.2743, 0.3402



44.9250, 0.3040, 0.5968



18.4718, 0.2697, 0.3419



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.



47.8877, 0.2368, 0.3723



76.7135, 0.2369, 0.3729



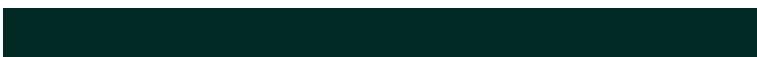
21.7111, 0.1915, 0.2092



13.3784, 0.3001, 0.3322



30.1768, 0.2366, 0.3716



1.6951, 0.2342, 0.3630

Inverse Universe

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



13.3515, 0.6236, 0.3209



21.3784, 0.6255, 0.3219



17.9614, 0.5847, 0.3740



11.8339, 0.3270, 0.3259



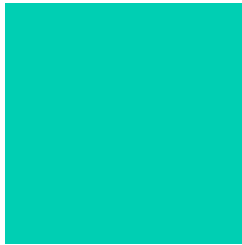
8.4188, 0.6212, 0.3196



0.4794, 0.5790, 0.2963

Previews

White Background



This preview shows how the Yxy color 47.8803, 0.2367, 0.3723 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 47.8803, 0.2367, 0.3723 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

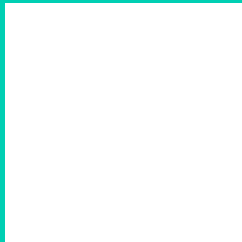
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8803, 0.2367, 0.3723

Background



This preview shows how black text looks on a background with the Yxy color 47.8803, 0.2367, 0.3723.



This preview shows how white text looks on a background with the Yxy color 47.8803, 0.2367, 0.3723.

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

47.8803, 0.2367, 0.3723

Protanopia

47.1197, 0.3335, 0.3511

Deuteranopia

47.1316, 0.3246, 0.3178



Tritanopia

48.1438, 0.2251, 0.3061

Trichromacy



Original Color

47.8803, 0.2367, 0.3723



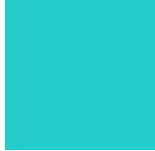
Protanomaly

44.2288, 0.2750, 0.3602



Deuteranomaly

43.8974, 0.2702, 0.3361



Tritanomaly

47.9204, 0.2279, 0.3288

Monochromacy



Original Color

47.8803, 0.2367, 0.3723



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.8127, 0.2598, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8803, 0.2367, 0.3723 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 179) }
```

Border

The CSS property to change the border of an element to Yxy 47.8803, 0.2367, 0.3723 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, 179) }
```

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

```
.border{ border-color:rgb(0, 207, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8803, 0.2367, 0.3723 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, 179) }
```

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

```
.background{ background-color: rgb(0, 207,  
179) }
```

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