

Converting Colors

$Y_{xy}(44.9128, 0.2122, 0.3721)$

Have a look what the booklet for
Yxy(44.9128, 0.2122, 0.3721)
contains.

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Color

Yxy(47.3973, 0.2364, 0.3708)

Conversions

Conversions Part 1

Format	Color
Hex	01CEB3
RGB	1, 206, 179
RGB Percent	0%, 81%, 70%
CMY	0.9961, 0.1922, 0.2980
CMYK	1.00, 0.00, 0.13, 0.19
HSL	172°, 99%, 41%
HSV	172°, 100%, 81%
XYZ	30.2177, 47.3973, 50.2094
YIQ	141.6270, -113.5130, -51.8570

Conversions

Conversions Part 2

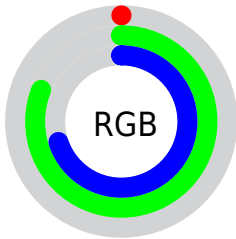
Format	Color
R_{YB}	1, 111, 206
Decimal	118451
CIE Lab	74.44, -48.59, 1.42
CIE LCh	74, 48.608, 178.325
Yxy	47.3973, 0.2364, 0.3708
Android (android.graphics.Color)	4278308531 (0xFF01CEB3)
YUV	141.6270, 18.4249, -123.3299
Hunter-Lab	68.8457, -42.1329, 4.9516

Details

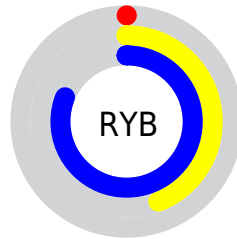
The Yxy color **47.3973, 0.2364, 0.3708** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.2254, 0.6232, 0.3211**, and the grayscale version is **26.8508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4612, 0.2476, 0.3528**, and **23.6396, 0.2393, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **47.3875, 0.2364, 0.3710**, and if you desaturate by 10%, it is **47.6694, 0.2367, 0.3662**.

Distribution



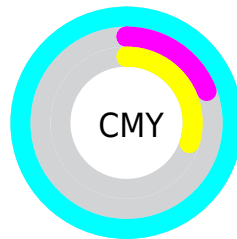
- Red (0%)
- Green (81%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (19%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3973, 0.2364, 0.3708 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 47.3973, 0.2364, 0.3708 by changing the saturation by 10% instead.


 47.3973, 0.2364,
0.3708


 47.3973, 0.2364,
0.3708


376.3982, 0.2741,
0.3500


 33.3498, 0.2272,
0.3759


 86.3064, 0.2500,
0.3633


 22.3946, 0.2155,
0.3825


 111.9368, 0.2551,
0.3604

 14.1471, 0.2002,
0.3911


 142.1969, 0.2595,
0.3580

 8.2231, 0.1794,
0.4030

 177.4713, 0.2632,
0.3560

 4.2380, 0.1498,
0.4201

 218.1442, 0.2665,
0.3542

 1.8076, 0.0844,
0.4572

264.6000, 0.2694,

 0.4919, 0.0000,

0.3526

0.5300

317.2232, 0.2719,
0.3512

■ 0.0000, 0.0000,
0.0000

■ 47.3973, 0.2364,
0.3708

■ 47.3973, 0.2364,
0.3708

■ 47.3875, 0.2364,
0.3710

■ 47.6694, 0.2367,
0.3662

■ 48.1126, 0.2385,
0.3616

■ 48.7812, 0.2422,
0.3570

■ 49.7053, 0.2478,
0.3524

■ 50.9104, 0.2553,
0.3479

■ 52.4186, 0.2645,
0.3436

■ 54.2501, 0.2752,
0.3395

■ 56.4233, 0.2871,
0.3357

■ 58.9552, 0.2999,
0.3321

Harmonies

Analogous

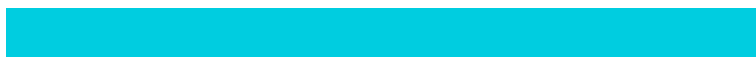
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.3973, 0.2932, 0.4318



47.3973, 0.2364, 0.3708



47.3973, 0.2021, 0.3014

Triad

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



47.3973, 0.2364, 0.3708



47.3973, 0.2577, 0.2282



47.3973, 0.4453, 0.3874

Complementary

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



47.3973, 0.2364, 0.3708



13.2254, 0.6232, 0.3211

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.



47.3973, 0.4370, 0.3364



47.3973, 0.2364, 0.3708



47.3973, 0.3214, 0.2499

Square

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



47.3973, 0.2364, 0.3708



47.3973, 0.2138, 0.2274



47.3973, 0.3895, 0.2881



47.3973, 0.4149, 0.4318

Rectangle

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



47.3973, 0.2364, 0.3708



47.3973, 0.1943, 0.2650



47.3973, 0.3895, 0.2881



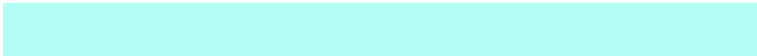
47.3973, 0.4473, 0.3706

Sweetspot

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



47.3991, 0.2364, 0.3708



87.6327, 0.2742, 0.3398



44.3911, 0.3034, 0.5970



18.4760, 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.



47.3991, 0.2364, 0.3708



76.7641, 0.2366, 0.3716



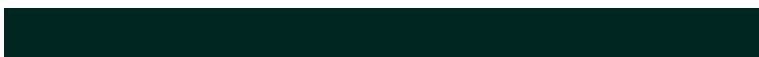
20.6467, 0.1901, 0.2039



12.7007, 0.3001, 0.3321



29.1934, 0.2362, 0.3703



1.5133, 0.2337, 0.3614

Inverse Universe

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



13.2254, 0.6232, 0.3211



21.3729, 0.6262, 0.3223



18.3126, 0.5790, 0.3780



11.2373, 0.3270, 0.3260



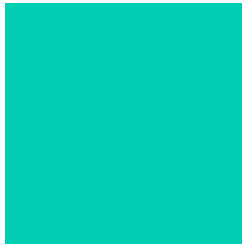
8.1372, 0.6217, 0.3199



0.4279, 0.5778, 0.2957

Previews

White Background



This preview shows how the Yxy color 47.3973, 0.2364, 0.3708 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 47.3973, 0.2364, 0.3708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

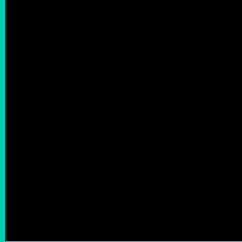
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

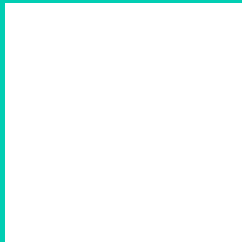
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.3973, 0.2364, 0.3708

Background



This preview shows how black text looks on a background with the Yxy color 47.3973, 0.2364, 0.3708.

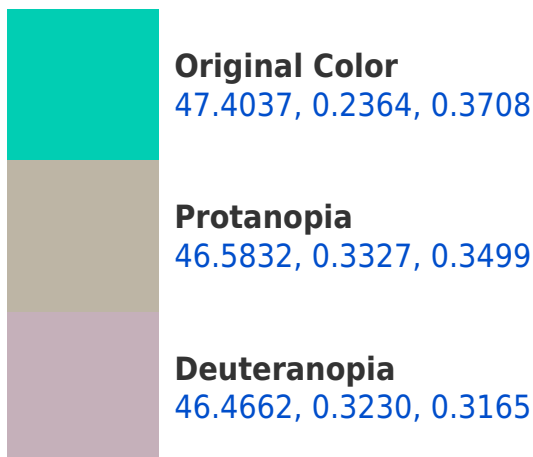


This preview shows how white text looks on a background with the Yxy color 47.3973, 0.2364, 0.3708.

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





Tritanopia

47.6238, 0.2251, 0.3060

Trichromacy



Original Color

47.4037, 0.2364, 0.3708



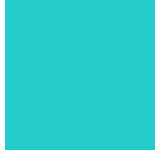
Protanomaly

43.7941, 0.2749, 0.3588



Deuteranomaly

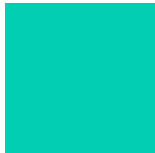
43.3952, 0.2693, 0.3347



Tritanomaly

47.3987, 0.2279, 0.3288

Monochromacy



Original Color

47.4037, 0.2364, 0.3708



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.5010, 0.2602, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3973, 0.2364, 0.3708 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(1, 206, 179)` looks like.

```
.text, #text, p{  
    color:rgb(1, 206, 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(1, 206, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 206, 179) }
```

Border

The CSS property to change the border of an element to Yxy 47.3973, 0.2364, 0.3708 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(1, 206, 179) }
```

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

```
.border{ border-color:rgb(1, 206, 179) }
```

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

Here you see how a box with a 4 pixel rgb(1, 206, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 206, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 206, 179);  
box-shadow:4px 4px 4px 4px rgb(1, 206,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3973, 0.2364, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 206, 179) }
```

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

```
.background{ background-color: rgb(1, 206,  
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](#).

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