

Converting Colors

$Y_{xy}(44.8181, 0.1969, 0.4003)$

Have a look what the booklet for
Yxy(44.8181, 0.1969, 0.4003)
contains.

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Color

Yxy(48.9578, 0.2425, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	00D2A9
RGB	0, 210, 169
RGB Percent	0%, 82%, 66%
CMY	1.0000, 0.1765, 0.3371
CMYK	1.00, 0.00, 0.20, 0.18
HSL	168°, 100%, 41%
HSV	168°, 100%, 82%
XYZ	30.2093, 48.9578, 45.4074
YIQ	142.5360, -111.9990, -57.2710

Conversions

Conversions Part 2

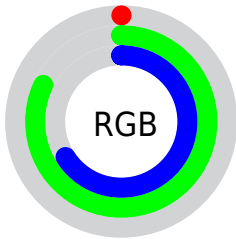
Format	Color
RYB	0, 116, 210
Decimal	53929
CIELab	75.43, -52.85, 8.21
CIELCh	75, 53.484, 171.174
Yxy	48.9578, 0.2425, 0.3930
Android (android.graphics.Color)	4278244009 (0xFF00D2A9)
YUV	142.5360, 13.0468, -125.0041
Hunter-Lab	69.9699, -45.3803, 10.5022

Details

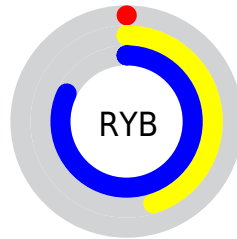
The Yxy color **48.9578, 0.2425, 0.3930** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.8619, 0.6105, 0.3137**, and the grayscale version is **27.2561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8449, 0.2522, 0.3666**, and **24.3956, 0.2464, 0.4071** is the 20% darker color. If you saturate the color by 10%, you get **48.9601, 0.2425, 0.3930**, and if you desaturate by 10%, it is **49.2759, 0.2421, 0.3860**.

Distribution



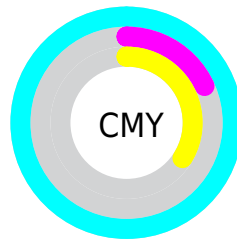
- Red (0%)
- Green (82%)
- Blue (66%)



- Red (0%)
- Yellow (45%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (18%)



- Cyan (100%)
- Magenta (18%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9578, 0.2425, 0.3930 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 48.9578, 0.2425, 0.3930 by changing the saturation by 10% instead.


 48.9578, 0.2425,
0.3930


 48.9578, 0.2425,
0.3930


382.5762, 0.2776,
0.3602

 34.5860, 0.2338,
0.4014


 88.6288, 0.2552,
0.3809


 23.3441, 0.2227,
0.4123


 114.6967, 0.2600,
0.3765

 14.8478, 0.2081,
0.4270


 145.4322, 0.2640,
0.3727

 8.7127, 0.1880,
0.4477

 181.2196, 0.2675,
0.3695

 4.5542, 0.1589,
0.4792

 222.4433, 0.2705,
0.3667

 1.9882, 0.0914,
0.5456

269.4877, 0.2732,

 0.6006, 0.0000,

0.3643

0.8821

322.7372, 0.2755,
0.3621

■ 0.0000, 0.0000,
0.0000

■ 48.9578, 0.2425,
0.3930

■ 48.9578, 0.2425,
0.3930

■ 48.9601, 0.2425,
0.3930

■ 49.2759, 0.2421,
0.3860

■ 49.7699, 0.2433,
0.3789

■ 50.5006, 0.2464,
0.3718

■ 51.4997, 0.2514,
0.3647

■ 52.7943, 0.2584,
0.3579

■ 54.4078, 0.2669,
0.3513

■ 56.3614, 0.2770,
0.3450

■ 58.6746, 0.2881,
0.3392

■ 61.3651, 0.3001,
0.3339

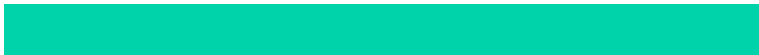
Harmonies

Analogous

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



48.9578, 0.3074, 0.4523



48.9578, 0.2425, 0.3930



48.9578, 0.1996, 0.3151

Triad

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



48.9578, 0.2425, 0.3930



48.9578, 0.2395, 0.2183



48.9578, 0.4586, 0.3777

Complementary

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



48.9578, 0.2425, 0.3930



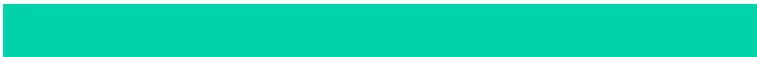
13.8619, 0.6105, 0.3137

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.



48.9578, 0.4391, 0.3232



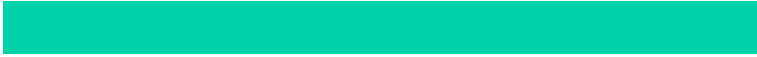
48.9578, 0.2425, 0.3930



48.9578, 0.3040, 0.2366

Square

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



48.9578, 0.2425, 0.3930



48.9578, 0.1990, 0.2230



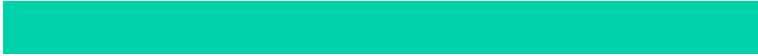
48.9578, 0.3794, 0.2736



48.9578, 0.4338, 0.4290

Rectangle

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



48.9578, 0.2425, 0.3930



48.9578, 0.1869, 0.2716



48.9578, 0.3794, 0.2736



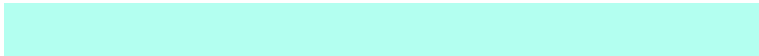
48.9578, 0.4573, 0.3594

Sweetspot

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



48.9601, 0.2425, 0.3930



87.3399, 0.2766, 0.3452



46.5866, 0.3065, 0.5949



18.4052, 0.2722, 0.3479



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.



48.9601, 0.2425, 0.3930



75.9398, 0.2427, 0.3938



25.5212, 0.1965, 0.2272



13.3659, 0.3009, 0.3336



29.8785, 0.2422, 0.3920



1.6810, 0.2386, 0.3790

Inverse Universe

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



13.8619, 0.6105, 0.3137



21.4882, 0.6128, 0.3149



17.2571, 0.5976, 0.3637



11.8454, 0.3260, 0.3245



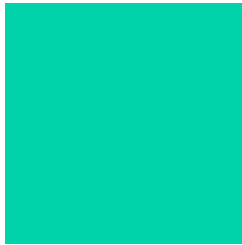
8.4667, 0.6073, 0.3119



0.4848, 0.5566, 0.2840

Previews

White Background



This preview shows how the Yxy color 48.9578, 0.2425, 0.3930 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 48.9578, 0.2425, 0.3930 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

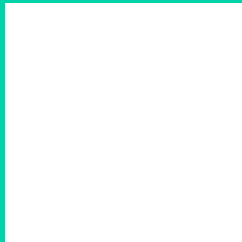
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9578, 0.2425, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 48.9578, 0.2425, 0.3930.

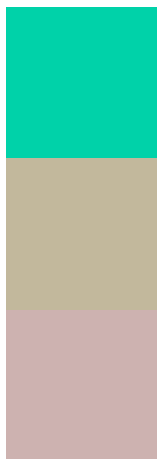


This preview shows how white text looks on a background with the Yxy color 48.9578, 0.2425, 0.3930.

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

48.9578, 0.2425, 0.3930

Protanopia

48.1506, 0.3441, 0.3651

Deuteranopia

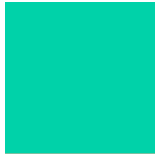
47.9545, 0.3383, 0.3315



Tritanopia

48.9359, 0.2263, 0.3049

Trichromacy



Original Color

48.9578, 0.2425, 0.3930



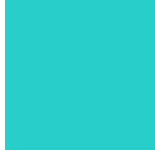
Protanomaly

44.9241, 0.2825, 0.3768



Deuteranomaly

44.5899, 0.2790, 0.3538



Tritanomaly

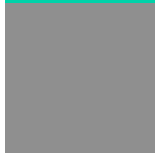
48.8108, 0.2306, 0.3361

Monochromacy



Original Color

48.9578, 0.2425, 0.3930



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

32.1286, 0.2628, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9578, 0.2425, 0.3930 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, 210, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 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, 210, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 169) }
```

Border

The CSS property to change the border of an element to Yxy 48.9578, 0.2425, 0.3930 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, 210, 169) }
```

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

```
.border{ border-color:rgb(0, 210, 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, 210, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9578, 0.2425, 0.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 169) }
```

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

```
.background{ background-color: rgb(0, 210,  
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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