

Converting Colors

$Y_{xy}(51.9079, 0.2446, 0.4167)$

Have a look what the booklet for
Yxy(51.9079, 0.2446, 0.4167)
contains.

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Color

Yxy(52.1989, 0.2488, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	00D9A1
RGB	0, 217, 161
RGB Percent	0%, 85%, 63%
CMY	0.9989, 0.1490, 0.3686
CMYK	1.00, 0.00, 0.26, 0.15
HSL	164°, 100%, 43%
HSV	164°, 100%, 85%
XYZ	31.2490, 52.1989, 42.1510
YIQ	145.7330, -111.3560, -63.4200

Conversions

Conversions Part 2

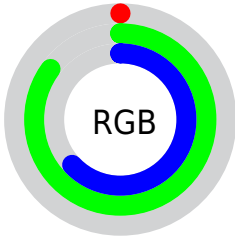
Format	Color
RYB	0, 125, 217
Decimal	55713
CIELab	77.40, -57.49, 15.27
CIELCh	77, 59.485, 165.124
Yxy	52.1989, 0.2488, 0.4156
Android (android.graphics.Color)	4278245793 (0xFF00D9A1)
YUV	145.7330, 7.5266, -127.8078
Hunter-Lab	72.2488, -49.2307, 15.9835

Details

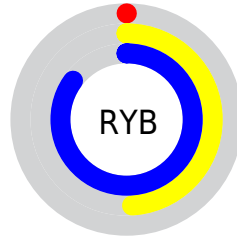
The Yxy color **52.1989, 0.2488, 0.4156** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.0463, 0.5925, 0.3038**, and the grayscale version is **28.6704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5420, 0.2563, 0.3768**, and **26.5939, 0.2547, 0.4368** is the 20% darker color. If you saturate the color by 10%, you get **52.1964, 0.2488, 0.4157**, and if you desaturate by 10%, it is **52.5718, 0.2478, 0.4060**.

Distribution



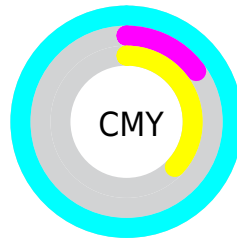
- Red (0%)
- Green (85%)
- Blue (63%)



- Red (0%)
- Yellow (49%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1989, 0.2488, 0.4156 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 52.1989, 0.2488, 0.4156 by changing the saturation by 10% instead.

 52.1989, 0.2488,
0.4156

 52.1989, 0.2488,
0.4156


395.2040, 0.2810,
0.3709


 37.1636, 0.2407,
0.4272

 93.4245, 0.2606,
0.3990


 25.3342, 0.2303,
0.4423


 120.3836, 0.2650,
0.3929

 16.3262, 0.2165,
0.4627


 152.0862, 0.2687,
0.3878

 9.7553, 0.1974,
0.4918

 188.9166, 0.2719,
0.3834

 5.2370, 0.1694,
0.5362

 231.2591, 0.2746,
0.3796

 2.3870, 0.1111,
0.6207

279.4983, 0.2770,

 0.8192, 0.0000,

0.3763

1.0000

334.0184, 0.2792,
0.3734

■ 0.0000, 0.0000,
0.0000

■ 52.1989, 0.2488,
0.4156

■ 52.1989, 0.2488,
0.4156

■ 52.1964, 0.2488,
0.4157

■ 52.5718, 0.2478,
0.4060

■ 53.1413, 0.2484,
0.3963

■ 53.9703, 0.2510,
0.3866

■ 55.0933, 0.2555,
0.3770

■ 56.5395, 0.2620,
0.3677

■ 58.3346, 0.2700,
0.3587

■ 60.5016, 0.2794,
0.3503

■ 63.0613, 0.2899,
0.3426

■ 66.0333, 0.3011,
0.3354

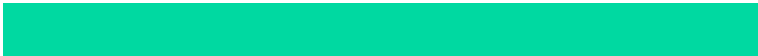
Harmonies

Analogous

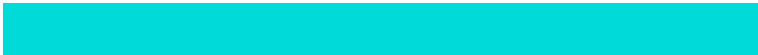
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.1989, 0.3214, 0.4712



52.1989, 0.2488, 0.4156



52.1989, 0.1974, 0.3296

Triad

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



52.1989, 0.2488, 0.4156



52.1989, 0.2226, 0.2091



52.1989, 0.4709, 0.3679

Complementary

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



52.1989, 0.2488, 0.4156



15.0463, 0.5925, 0.3038

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.



52.1989, 0.4402, 0.3104



52.1989, 0.2488, 0.4156



52.1989, 0.2871, 0.2241

Square

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



52.1989, 0.2488, 0.4156



52.1989, 0.1853, 0.2189



52.1989, 0.3687, 0.2599



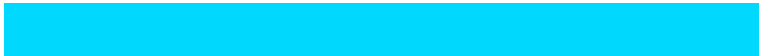
52.1989, 0.4518, 0.4251

Rectangle

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



52.1989, 0.2488, 0.4156



52.1989, 0.1801, 0.2788



52.1989, 0.3687, 0.2599



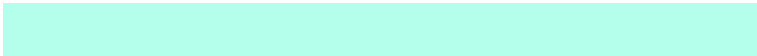
52.1989, 0.4663, 0.3484

Sweetspot

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



52.2009, 0.2488, 0.4156



87.0560, 0.2790, 0.3507



50.5281, 0.3109, 0.5913



18.3368, 0.2749, 0.3542



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.



52.2009, 0.2488, 0.4156



75.1993, 0.2491, 0.4166



32.4423, 0.2031, 0.2511



14.7691, 0.3016, 0.3351



31.6152, 0.2484, 0.4143



2.0619, 0.2441, 0.3986

Inverse Universe

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



15.0463, 0.5925, 0.3038



21.6520, 0.5950, 0.3051



17.1075, 0.6125, 0.3517



13.1065, 0.3251, 0.3230



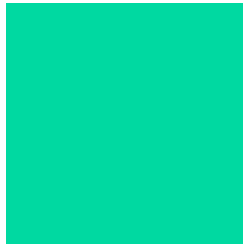
9.1178, 0.5892, 0.3020



0.6047, 0.5424, 0.2761

Previews

White Background



This preview shows how the Yxy color 52.1989, 0.2488, 0.4156 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 52.1989, 0.2488, 0.4156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

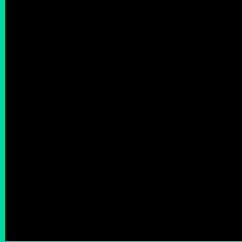
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1989, 0.2488, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 52.1989, 0.2488, 0.4156.



This preview shows how white text looks on a background with the Yxy color 52.1989, 0.2488, 0.4156.

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

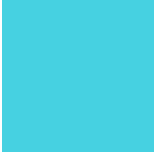
52.1989, 0.2488, 0.4156

Protanopia

51.0899, 0.3565, 0.3803

Deuteranopia

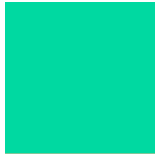
51.3305, 0.3531, 0.3458



Tritanopia

52.3393, 0.2282, 0.3069

Trichromacy



Original Color

52.1989, 0.2488, 0.4156



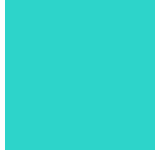
Protanomaly

47.8139, 0.2922, 0.3966



Deuteranomaly

47.1867, 0.2897, 0.3707



Tritanomaly

51.9091, 0.2333, 0.3432

Monochromacy



Original Color

52.1989, 0.2488, 0.4156



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

34.0666, 0.2659, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1989, 0.2488, 0.4156 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, 217, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 161)  
}
```

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, 217, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 161) }
```

Border

The CSS property to change the border of an element to Yxy 52.1989, 0.2488, 0.4156 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, 217, 161) }
```

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

```
.border{ border-color:rgb(0, 217, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1989, 0.2488, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 161) }
```

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

```
.background{ background-color: rgb(0, 217,  
161) }
```

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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