

Converting Colors

$Y_{xy}(53.0257, 0.2398, 0.3832)$

Have a look what the booklet for
Yxy(53.0257, 0.2398, 0.3832)
contains.

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Color

Yxy(52.9619, 0.2397, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	00D9B5
RGB	0, 217, 181
RGB Percent	0%, 85%, 71%
CMY	0.9999, 0.1490, 0.2901
CMYK	1.00, 0.00, 0.17, 0.15
HSL	170°, 100%, 43%
HSV	170°, 100%, 85%
XYZ	33.1548, 52.9619, 52.2012
YIQ	148.0130, -117.7760, -57.2000

Conversions

Conversions Part 2

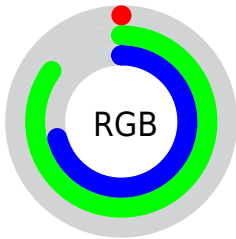
Format	Color
RYB	0, 118, 217
Decimal	55733
CIELab	77.85, -52.57, 5.28
CIELCh	78, 52.831, 174.261
Yxy	52.9619, 0.2397, 0.3829
Android (android.graphics.Color)	4278245813 (0xFF00D9B5)
YUV	148.0130, 16.2626, -129.8074
Hunter-Lab	72.7749, -46.0351, 8.4140

Details

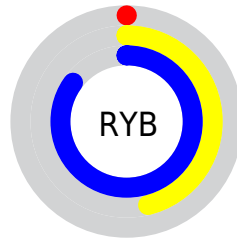
The Yxy color **52.9619, 0.2397, 0.3829** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **14.8801, 0.6178, 0.3177**, and the grayscale version is **29.5928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7602, 0.2477, 0.3503**, and **27.0483, 0.2431, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **52.9636, 0.2397, 0.3829**, and if you desaturate by 10%, it is **53.2809, 0.2396, 0.3770**.

Distribution



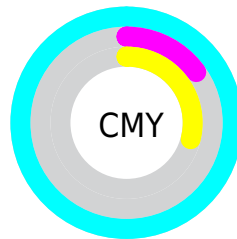
- Red (0%)
- Green (85%)
- Blue (71%)



- Red (0%)
- Yellow (46%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9619, 0.2397, 0.3829 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 52.9619, 0.2397, 0.3829 by changing the saturation by 10% instead.


 52.9619, 0.2397,
0.3829


 52.9619, 0.2397,
0.3829


398.1389, 0.2754,
0.3560

 37.7724, 0.2311,
0.3896

 94.5483, 0.2525,
0.3732


 25.8061, 0.2202,
0.3981


 121.7139, 0.2573,
0.3695


 16.6786, 0.2060,
0.4094


 153.6404, 0.2615,
0.3664

 10.0056, 0.1869,
0.4249

 190.7121, 0.2650,
0.3637

 5.4027, 0.1601,
0.4477

 233.3134, 0.2681,
0.3614

 2.4854, 0.1163,
0.4858

281.8287, 0.2708,

 0.8693, 0.0000,

0.3594

0.6010

336.6424, 0.2733,
0.3576

■ 0.0000, 0.0000,
0.0000

■ 52.9619, 0.2397,
0.3829

■ 52.9619, 0.2397,
0.3829

■ 52.9636, 0.2397,
0.3829

■ 53.2809, 0.2396,
0.3770

■ 53.7899, 0.2410,
0.3711

■ 54.5526, 0.2443,
0.3651

■ 55.6037, 0.2495,
0.3592

■ 56.9723, 0.2567,
0.3534

■ 58.6841, 0.2655,
0.3479

■ 60.7619, 0.2758,
0.3426

■ 63.2266, 0.2873,
0.3377

■ 66.0978, 0.2997,
0.3331

Harmonies

Analogous

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



52.9619, 0.3010, 0.4432



52.9619, 0.2397, 0.3829



52.9619, 0.2007, 0.3088

Triad

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



52.9619, 0.2397, 0.3829



52.9619, 0.2476, 0.2227



52.9619, 0.4528, 0.3821

Complementary

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



52.9619, 0.2397, 0.3829



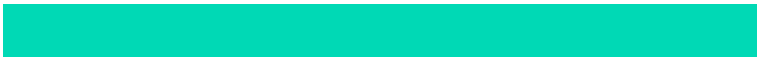
14.8801, 0.6178, 0.3177

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.



52.9619, 0.4383, 0.3291



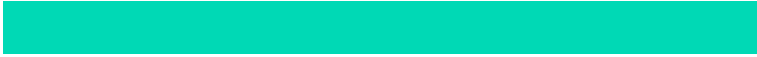
52.9619, 0.2397, 0.3829



52.9619, 0.3118, 0.2425

Square

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



52.9619, 0.2397, 0.3829



52.9619, 0.2055, 0.2249



52.9619, 0.3841, 0.2801



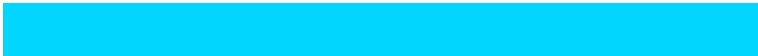
52.9619, 0.4253, 0.4304

Rectangle

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



52.9619, 0.2397, 0.3829



52.9619, 0.1901, 0.2686



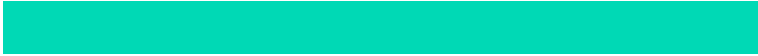
52.9619, 0.3841, 0.2801



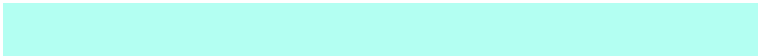
52.9619, 0.4529, 0.3644

Sweetspot

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



52.9639, 0.2397, 0.3829



87.4739, 0.2755, 0.3427



50.0053, 0.3046, 0.5963



18.4375, 0.2710, 0.3450



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.



52.9639, 0.2397, 0.3829



76.3095, 0.2398, 0.3834



25.1624, 0.1930, 0.2149



14.7905, 0.3004, 0.3329



32.0742, 0.2395, 0.3820



2.0880, 0.2368, 0.3724

Inverse Universe

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



14.8801, 0.6178, 0.3177



21.4292, 0.6195, 0.3186



19.4326, 0.5895, 0.3701



13.0866, 0.3266, 0.3251



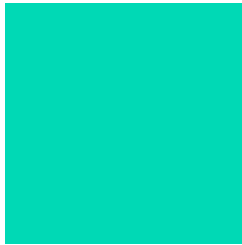
9.0174, 0.6150, 0.3162



0.5952, 0.5730, 0.2930

Previews

White Background



This preview shows how the Yxy color 52.9619, 0.2397, 0.3829 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 52.9619, 0.2397, 0.3829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

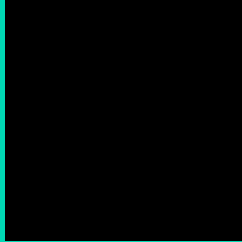
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

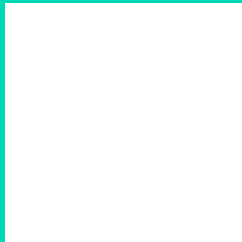
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.9619, 0.2397, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 52.9619, 0.2397, 0.3829.



This preview shows how white text looks on a background with the Yxy color 52.9619, 0.2397, 0.3829.

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

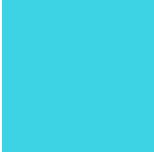
52.9619, 0.2397, 0.3829

Protanopia

51.8963, 0.3392, 0.3577

Deuteranopia

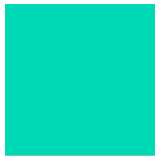
52.0304, 0.3316, 0.3255



Tritanopia

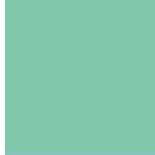
53.2141, 0.2256, 0.3057

Trichromacy



Original Color

52.9619, 0.2397, 0.3829



Protanomaly

48.7991, 0.2789, 0.3692



Deuteranomaly

48.5036, 0.2748, 0.3457



Tritanomaly

52.7230, 0.2289, 0.3316

Monochromacy



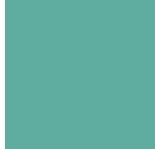
Original Color

52.9619, 0.2397, 0.3829



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.8049, 0.2608, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9619, 0.2397, 0.3829 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 181) }
```

Border

The CSS property to change the border of an element to Yxy 52.9619, 0.2397, 0.3829 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, 181) }
```

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

```
.border{ border-color:rgb(0, 217, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9619, 0.2397, 0.3829 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, 181) }
```

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

```
.background{ background-color: rgb(0, 217,  
181) }
```

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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