

Converting Colors

Yxy(51.9452, 0.2349, 0.3630)

Have a look what the booklet for
Yxy(51.9452, 0.2349, 0.3630)
contains.

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Color

Yxy(51.9403, 0.2349, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	0DD6BF
RGB	13, 214, 191
RGB Percent	5%, 84%, 75%
CMY	0.9504, 0.1607, 0.2510
CMYK	0.94, 0.00, 0.11, 0.16
HSL	173°, 89%, 44%
HSV	173°, 94%, 84%
XYZ	33.6110, 51.9403, 57.5350
YIQ	151.2790, -112.4130, -49.7650

Conversions

Conversions Part 2

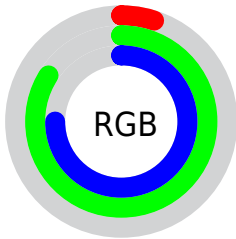
Format	Color
RYB	13, 120, 214
Decimal	906943
CIELab	77.25, -48.34, -0.92
CIELCh	77, 48.350, 181.095
Yxy	51.9403, 0.2349, 0.3630
Android (android.graphics.Color)	4279097023 (0xFF0DD6BF)
YUV	151.2790, 19.5825, -121.2707
Hunter-Lab	72.0696, -42.8752, 3.1161

Details

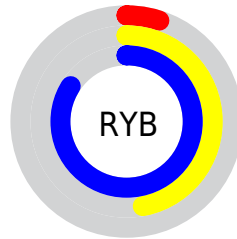
The Yxy color **51.9403, 0.2349, 0.3630** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **14.7021, 0.6143, 0.3204**, and the grayscale version is **30.9783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4866, 0.2442, 0.3382**, and **26.2887, 0.2357, 0.3685** is the 20% darker color. If you saturate the color by 10%, you get **51.7960, 0.2348, 0.3653**, and if you desaturate by 10%, it is **52.3089, 0.2360, 0.3591**.

Distribution



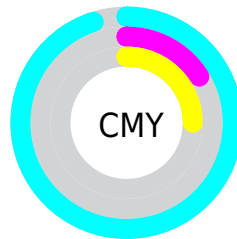
- Red (5%)
- Green (84%)
- Blue (75%)



- Red (5%)
- Yellow (47%)
- Blue (84%)



- Cyan (94%)
- Magenta (0%)
- Yellow (11%)
- Black (16%)





- Cyan (95%)
- Magenta (16%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9403, 0.2349, 0.3630 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 51.9403, 0.2349, 0.3630 by changing the saturation by 10% instead.

 51.9403, 0.2349,
0.3630


 51.9403, 0.2349,
0.3630

394.2061, 0.2726,
0.3466

 36.9575, 0.2259,
0.3669


 93.0432, 0.2483,
0.3572


 25.1746, 0.2146,
0.3717


 119.9321, 0.2534,
0.3550


 16.2072, 0.2000,
0.3779


 151.5584, 0.2578,
0.3531

 9.6709, 0.1805,
0.3862

 188.3066, 0.2616,
0.3515

 5.1813, 0.1535,
0.3975

 230.5611, 0.2649,
0.3500

 2.3540, 0.1118,
0.4146

278.7062, 0.2678,

 0.8021, 0.0000,

0.3488

0.4610

333.1264, 0.2703,
0.3476

■ 0.0000, 0.0000,
0.0000

■ 51.9403, 0.2349,
0.3630

■ 51.9403, 0.2349,
0.3630

■ 51.7960, 0.2348,
0.3653

■ 52.3089, 0.2360,
0.3591

■ 52.9035, 0.2389,
0.3551

■ 53.7624, 0.2438,
0.3511

■ 54.9157, 0.2505,
0.3472

■ 56.3892, 0.2591,
0.3434

■ 58.2062, 0.2693,
0.3397

■ 60.3876, 0.2809,
0.3363

■ 62.9525, 0.2936,
0.3331

■ 65.9191, 0.3070,
0.3301

Harmonies

Analogous

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



51.9403, 0.2884, 0.4237



51.9403, 0.2349, 0.3630



51.9403, 0.2038, 0.2972

Triad

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



51.9403, 0.2349, 0.3630



51.9403, 0.2646, 0.2323



51.9403, 0.4396, 0.3904

Complementary

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



51.9403, 0.2349, 0.3630



14.7021, 0.6143, 0.3204

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.



51.9403, 0.4351, 0.3411



51.9403, 0.2349, 0.3630



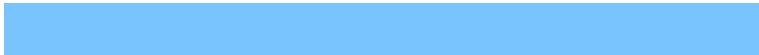
51.9403, 0.3275, 0.2551

Square

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



51.9403, 0.2349, 0.3630



51.9403, 0.2199, 0.2297



51.9403, 0.3923, 0.2936



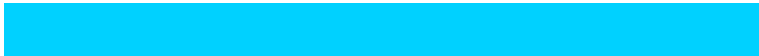
51.9403, 0.4075, 0.4317

Rectangle

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



51.9403, 0.2349, 0.3630



51.9403, 0.1978, 0.2634



51.9403, 0.3923, 0.2936



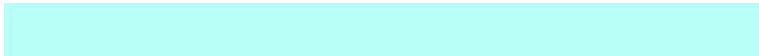
51.9403, 0.4426, 0.3743

Sweetspot

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



51.9423, 0.2349, 0.3630



88.3663, 0.2759, 0.3377



48.5042, 0.3039, 0.5931



18.6186, 0.2709, 0.3392



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.



51.9423, 0.2349, 0.3630



77.0023, 0.2349, 0.3657



22.7794, 0.1913, 0.2054



14.0823, 0.2998, 0.3317



31.3138, 0.2347, 0.3647



1.8958, 0.2328, 0.3579

Inverse Universe

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



14.7021, 0.6143, 0.3204



21.3495, 0.6290, 0.3239



21.6110, 0.5622, 0.3863



12.4437, 0.3273, 0.3264



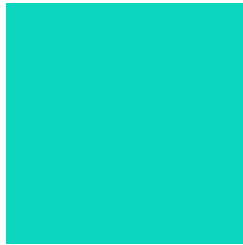
8.6900, 0.6253, 0.3218



0.5321, 0.5897, 0.3022

Previews

White Background



This preview shows how the Yxy color 51.9403, 0.2349, 0.3630 looks on a white background.

Color Contrast Check

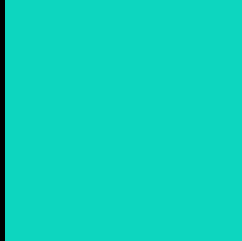
Large Text (above 18pt) WCAG AA × Fail

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 51.9403, 0.2349, 0.3630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

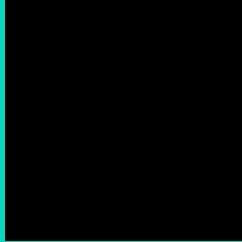
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

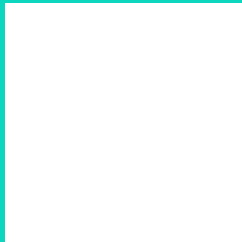
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9403, 0.2349, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 51.9403, 0.2349, 0.3630.

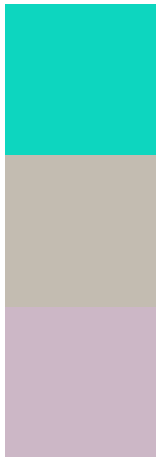


This preview shows how white text looks on a background with the Yxy color 51.9403, 0.2349, 0.3630.

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

51.9403, 0.2349, 0.3630

Protanopia

50.7429, 0.3272, 0.3428

Deuteranopia

50.7816, 0.3186, 0.3110



Tritanopia

51.9327, 0.2244, 0.3054

Trichromacy



Original Color

51.9403, 0.2349, 0.3630



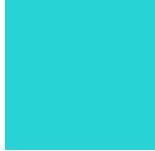
Protanomaly

47.9770, 0.2735, 0.3502



Deuteranomaly

47.5920, 0.2682, 0.3275



Tritanomaly

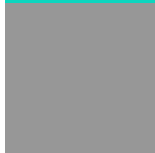
51.8437, 0.2274, 0.3259

Monochromacy



Original Color

51.9403, 0.2349, 0.3630



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.7920, 0.2615, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9403, 0.2349, 0.3630 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(13, 214, 191)` looks like.

```
.text, #text, p{  
    color:rgb(13, 214, 191)  
}
```

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(13, 214, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 214, 191) }
```

Border

The CSS property to change the border of an element to Yxy 51.9403, 0.2349, 0.3630 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(13, 214, 191) }
```

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

```
.border{ border-color:rgb(13, 214, 191) }
```

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

Here you see how a box with a 4 pixel rgb(13, 214, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 214, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 214, 191);  
box-shadow:4px 4px 4px 4px rgb(13, 214,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9403, 0.2349, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 214, 191) }
```

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

```
.background{ background-color: rgb(13, 214,  
191) }
```

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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