

Converting Colors

$Y_{xy}(51.4971, 0.2393, 0.3359)$

Have a look what the booklet for
Yxy(51.4971, 0.2393, 0.3359)
contains.

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Color

Yxy(51.4971, 0.2393, 0.3359)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4CD1CC |
| RGB | 76, 209, 204 |
| RGB Percent | 30%, 82%, 80% |
| CMY | 0.7014, 0.1804, 0.2000 |
| CMYK | 0.64, 0.00, 0.02, 0.18 |
| HSL | 178°, 59%, 56% |
| HSV | 178°, 64%, 82% |
| XYZ | 36.6873, 51.4971, 65.1264 |
| YIQ | 168.6630, -77.6630, -29.7510 |

Conversions

Conversions Part 2

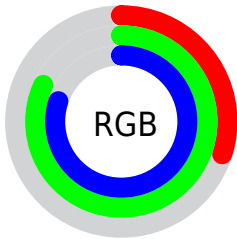
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 76, 144, 209 |
| Decimal | 5034444 |
| CIELab | 76.98, -36.72, -8.20 |
| CIElCh | 77, 37.626, 192.592 |
| Yxy | 51.4971, 0.2393, 0.3359 |
| Android (android.graphics.Color) | 4283224524 (0xFF4CD1CC) |
| YUV | 168.6630, 17.4211, -81.2655 |
| Hunter-Lab | 71.7615, -34.3264, -3.5750 |

Details

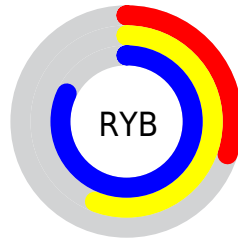
The Yxy color **51.4971, 0.2393, 0.3359** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.3396, 0.5092, 0.3241**, and the grayscale version is **39.4618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **25.3132, 0.2268, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **50.7381, 0.2338, 0.3371**, and if you desaturate by 10%, it is **52.5383, 0.2467, 0.3347**.

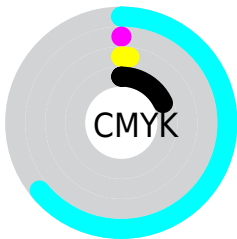
Distribution



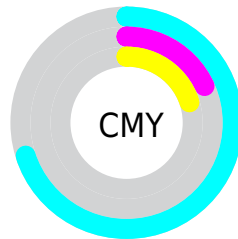
- Red (30%)
- Green (82%)
- Blue (80%)



- Red (30%)
- Yellow (56%)
- Blue (82%)



- Cyan (64%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)



- Cyan (70%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4971, 0.2393, 0.3359 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 51.4971, 0.2393, 0.3359 by changing the saturation by 10% instead.


 51.4971, 0.2393,
0.3359


 51.4971, 0.2393,
0.3359


392.4920, 0.2746,
0.3334


 36.6044, 0.2309,
0.3363


 92.3891, 0.2518,
0.3352


 24.9013, 0.2205,
0.3366


 119.1573, 0.2566,
0.3348

 16.0036, 0.2070,
0.3368


 150.6526, 0.2607,
0.3345

 9.5267, 0.1891,
0.3366

 187.2596, 0.2642,
0.3343

 5.0863, 0.1643,
0.3354

229.3627, 0.2673,
0.3340

 2.2980, 0.1284,
0.3312

277.3462, 0.2700,

 0.7726, 0.0000,

0.3338

0.3417

331.5945, 0.2725,
0.3336

0.0000, 0.0000,
0.0000

51.4971, 0.2393,
0.3359

51.4971, 0.2393,
0.3359

50.7381, 0.2338,
0.3371

52.5383, 0.2467,
0.3347

50.2274, 0.2303,
0.3384

53.8802, 0.2559,
0.3335

49.9332, 0.2284,
0.3396

55.5463, 0.2669,
0.3323

49.8202, 0.2279,
0.3404

57.5563, 0.2793,
0.3313

59.9284, 0.2929,
0.3302

■ 62.6793, 0.3074,
0.3293

■ 65.8249, 0.3225,
0.3285

■ 69.3801, 0.3380,
0.3277

■ 71.5642, 0.3464,
0.3270

Harmonies

Analogous

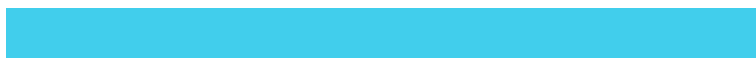
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.4971, 0.2767, 0.3857



51.4971, 0.2393, 0.3359



51.4971, 0.2215, 0.2889

Triad

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



51.4971, 0.2393, 0.3359



51.4971, 0.2932, 0.2564



51.4971, 0.4064, 0.3934

Complementary

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



51.4971, 0.2393, 0.3359



19.3396, 0.5092, 0.3241

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.



51.4971, 0.4134, 0.3559



51.4971, 0.2393, 0.3359



51.4971, 0.3450, 0.2806

Square

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



51.4971, 0.2393, 0.3359



51.4971, 0.2505, 0.2480



51.4971, 0.3905, 0.3158



51.4971, 0.3734, 0.4180

Rectangle

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



51.4971, 0.2393, 0.3359



51.4971, 0.2218, 0.2664



51.4971, 0.3905, 0.3158



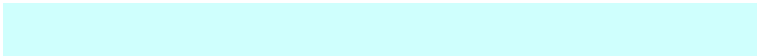
51.4971, 0.4120, 0.3818

Sweetspot

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



51.4991, 0.2393, 0.3359



91.8237, 0.2851, 0.3308



47.9506, 0.3064, 0.5312



19.4312, 0.2812, 0.3311



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.



51.4991, 0.2393, 0.3359



79.2774, 0.2325, 0.3375



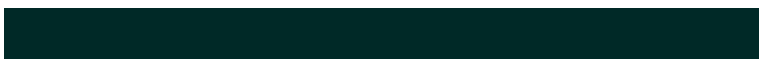
27.7076, 0.2155, 0.2362



13.3991, 0.2988, 0.3298



30.7235, 0.2278, 0.3402



1.7203, 0.2272, 0.3379

Inverse Universe

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



19.3396, 0.5092, 0.3241



25.0423, 0.5705, 0.3249



31.6659, 0.4600, 0.4002



11.8153, 0.3285, 0.3282



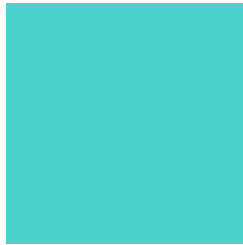
8.3717, 0.6356, 0.3275



0.4707, 0.6214, 0.3197

Previews

White Background



This preview shows how the Yxy color 51.4971, 0.2393, 0.3359 looks on a white background.

Color Contrast Check

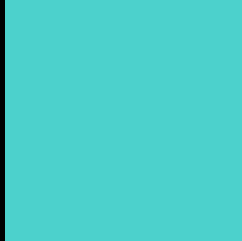
Large Text (above 18pt) WCAG AA × Fail

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 51.4971, 0.2393, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

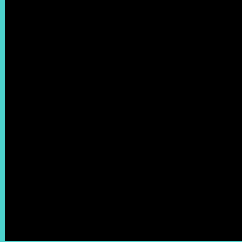
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

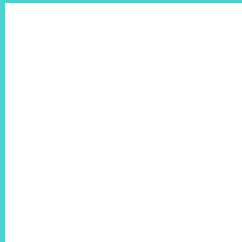
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.4971, 0.2393, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 51.4971, 0.2393, 0.3359.

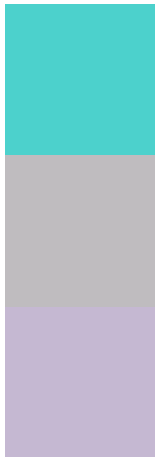


This preview shows how white text looks on a background with the Yxy color 51.4971, 0.2393, 0.3359.

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

51.4971, 0.2393, 0.3359

Protanopia

50.8044, 0.3129, 0.3253

Deuteranopia

50.8044, 0.3035, 0.2977



Tritanopia

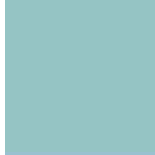
51.4016, 0.2327, 0.3056

Trichromacy



Original Color

51.4971, 0.2393, 0.3359



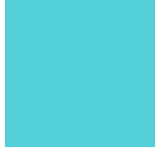
Protanomaly

49.8549, 0.2777, 0.3289



Deuteranomaly

49.4663, 0.2725, 0.3092



Tritanomaly

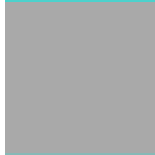
51.3774, 0.2351, 0.3163

Monochromacy



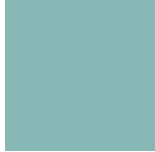
Original Color

51.4971, 0.2393, 0.3359



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.8093, 0.2757, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4971, 0.2393, 0.3359 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(76, 209, 204)` looks like.

```
.text, #text, p{  
    color:rgb(76, 209, 204)  
}
```

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(76, 209, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 209, 204) }
```

Border

The CSS property to change the border of an element to Yxy 51.4971, 0.2393, 0.3359 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(76, 209, 204) }
```

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

```
.border{ border-color:rgb(76, 209, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 209, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 209, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 209, 204);  
box-shadow:4px 4px 4px 4px rgb(76, 209,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4971, 0.2393, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 209, 204) }
```

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

```
.background{ background-color: rgb(76, 209,  
204) }
```

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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