

Converting Colors

$Y_{xy}(51.2994, 0.1885, 0.3245)$

Have a look what the booklet for
Yxy(51.2994, 0.1885, 0.3245)
contains.

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Color

Yxy(55.8835, 0.2239, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	00DBDD
RGB	0, 219, 221
RGB Percent	0%, 86%, 87%
CMY	0.9995, 0.1412, 0.1334
CMYK	1.00, 0.01, 0.00, 0.13
HSL	181°, 100%, 43%
HSV	181°, 100%, 87%
XYZ	38.3813, 55.8835, 77.1569
YIQ	153.7470, -131.1660, -45.8060

Conversions

Conversions Part 2

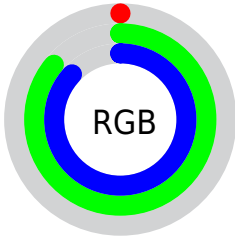
Format	Color
RYB	0, 110, 221
Decimal	56285
CIELab	79.55, -42.27, -13.57
CIELCh	80, 44.397, 197.797
Yxy	55.8835, 0.2239, 0.3260
Android (android.graphics.Color)	4278246365 (0xFF00DBDD)
YUV	153.7470, 33.1557, -134.8361
Hunter-Lab	74.7553, -39.1751, -8.8661

Details

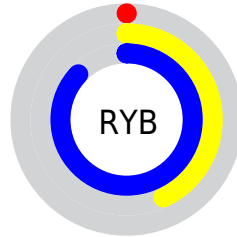
The Yxy color **55.8835, 0.2239, 0.3260** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.4155, 0.6395, 0.3304**, and the grayscale version is **32.1116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **28.9476, 0.2231, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **55.8841, 0.2239, 0.3260**, and if you desaturate by 10%, it is **56.1613, 0.2252, 0.3263**.

Distribution



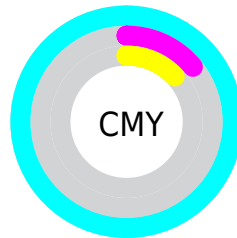
- Red (0%)
- Green (86%)
- Blue (87%)



- Red (0%)
- Yellow (43%)
- Blue (87%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8835, 0.2239, 0.3260 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 55.8835, 0.2239, 0.3260 by changing the saturation by 10% instead.

 55.8835, 0.2239,
0.3260


 55.8835, 0.2239,
0.3260


409.2523, 0.2656,
0.3288


 40.1095, 0.2143,
0.3249


 98.8342, 0.2384,
0.3273

 27.6240, 0.2025,
0.3234


 126.7798, 0.2440,
0.3277


 18.0424, 0.1877,
0.3211

 159.5513, 0.2489,
0.3280

 10.9804, 0.1684,
0.3174

 197.5332, 0.2531,
0.3283

 6.0537, 0.1428,
0.3110

 241.1098, 0.2568,
0.3285

 2.8777, 0.1079,
0.2990

290.6656, 0.2601,

 1.0682, 0.0000,

0.3286

0.2909

346.5850, 0.2630,
0.3287

■ 0.0000, 0.0000,
0.0000

■ 55.8835, 0.2239,
0.3260

■ 55.8835, 0.2239,
0.3260

■ 55.8841, 0.2239,
0.3260

■ 56.1613, 0.2252,
0.3263

■ 56.6343, 0.2280,
0.3266

■ 57.3682, 0.2326,
0.3269

■ 58.3992, 0.2390,
0.3272

■ 59.7578, 0.2474,
0.3275

■ 61.4705, 0.2577,
0.3278

■ 63.5614, 0.2696,
0.3281

■ 66.0524, 0.2830,
0.3284

■ 68.9635, 0.2975,
0.3287

Harmonies

Analogous

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



55.8835, 0.2624, 0.3855



55.8835, 0.2239, 0.3260



55.8835, 0.2085, 0.2748

Triad

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



55.8835, 0.2239, 0.3260



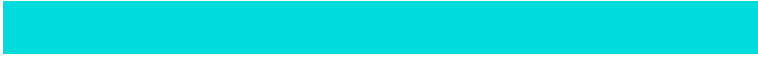
55.8835, 0.2999, 0.2506



55.8835, 0.4147, 0.4078

Complementary

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



55.8835, 0.2239, 0.3260



15.4155, 0.6395, 0.3304

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.



55.8835, 0.4293, 0.3662



55.8835, 0.2239, 0.3260



55.8835, 0.3596, 0.2802

Square

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



55.8835, 0.2239, 0.3260



55.8835, 0.2489, 0.2376



55.8835, 0.4090, 0.3210



55.8835, 0.3726, 0.4335

Rectangle

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



55.8835, 0.2239, 0.3260



55.8835, 0.2117, 0.2523



55.8835, 0.4090, 0.3210



55.8835, 0.4232, 0.3950

Sweetspot

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



55.8856, 0.2239, 0.3260



87.8278, 0.2693, 0.3281



51.7047, 0.3000, 0.6000



18.5230, 0.2640, 0.3280



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.



55.8856, 0.2239, 0.3260



77.2913, 0.2239, 0.3260



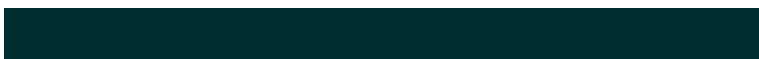
16.4928, 0.1767, 0.1559



14.8085, 0.2982, 0.3287



32.4794, 0.2239, 0.3260



2.1108, 0.2240, 0.3265

Inverse Universe

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



20.4869, 0.3232, 0.1554



28.3338, 0.3232, 0.1554



26.6421, 0.5423, 0.4076



13.2727, 0.3139, 0.3062



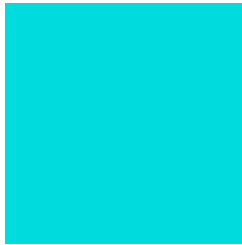
11.9026, 0.3231, 0.1554



0.7718, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 55.8835, 0.2239, 0.3260 looks on a white background.

Color Contrast Check

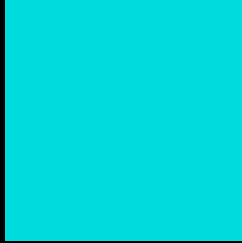
Large Text (above 18pt) WCAG AA × Fail

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 55.8835, 0.2239, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

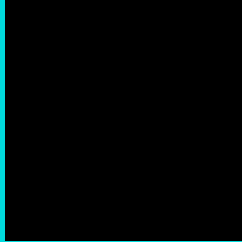
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8835, 0.2239, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 55.8835, 0.2239, 0.3260.



This preview shows how white text looks on a background with the Yxy color 55.8835, 0.2239, 0.3260.

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

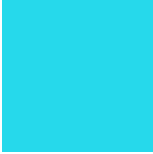
55.8835, 0.2239, 0.3260

Protanopia

54.7756, 0.3055, 0.3146

Deuteranopia

54.9498, 0.2930, 0.2872



Tritanopia

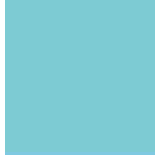
56.0359, 0.2208, 0.3047

Trichromacy



Original Color

55.8835, 0.2239, 0.3260



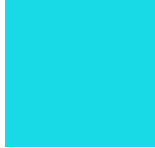
Protanomaly

51.7750, 0.2554, 0.3181



Deuteranomaly

51.7216, 0.2486, 0.2974



Tritanomaly

56.0502, 0.2215, 0.3125

Monochromacy



Original Color

55.8835, 0.2239, 0.3260



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.6518, 0.2532, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8835, 0.2239, 0.3260 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, 219, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 221)  
}
```

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, 219, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 221) }
```

Border

The CSS property to change the border of an element to Yxy 55.8835, 0.2239, 0.3260 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, 219, 221) }
```

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

```
.border{ border-color:rgb(0, 219, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8835, 0.2239, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 221) }
```

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

```
.background{ background-color: rgb(0, 219,  
221) }
```

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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