

Converting Colors

$Y_{xy}(39.7281, 0.2268, 0.3363)$

Have a look what the booklet for
Yxy(39.7281, 0.2268, 0.3363)
contains.

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Color

Yxy(39.8623, 0.2270, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	02BDB8
RGB	2, 189, 184
RGB Percent	1%, 74%, 72%
CMY	0.9939, 0.2588, 0.2784
CMYK	0.99, 0.00, 0.03, 0.26
HSL	178°, 98%, 37%
HSV	178°, 99%, 74%
XYZ	26.8668, 39.8623, 51.6269
YIQ	132.5170, -109.8470, -41.1990

Conversions

Conversions Part 2

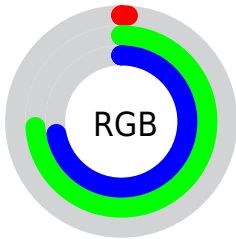
Format	Color
RYB	2, 97, 189
Decimal	179640
CIELab	69.37, -39.84, -8.76
CIELCh	69, 40.790, 192.407
Yxy	39.8623, 0.2270, 0.3368
Android (android.graphics.Color)	4278369720 (0xFF02BDB8)
YUV	132.5170, 25.3811, -114.4634
Hunter-Lab	63.1366, -34.5311, -4.2859

Details

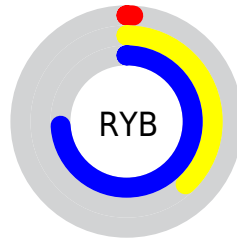
The Yxy color **39.8623, 0.2270, 0.3368** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.8662, 0.6360, 0.3285**, and the grayscale version is **23.1548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0276, 0.2426, 0.3361**, and **18.9666, 0.2271, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **39.8520, 0.2269, 0.3369**, and if you desaturate by 10%, it is **40.0284, 0.2283, 0.3360**.

Distribution



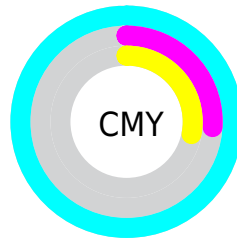
- Red (1%)
- Green (74%)
- Blue (72%)



- Red (1%)
- Yellow (38%)
- Blue (74%)



- Cyan (99%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)




- Cyan (99%)
- Magenta (26%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8623, 0.2270, 0.3368 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 39.8623, 0.2270, 0.3368 by changing the saturation by 10% instead.

 39.8623, 0.2270,
0.3368


 39.8623, 0.2270,
0.3368

345.5428, 0.2698,
0.3340


 27.4312, 0.2164,
0.3371


 74.9538, 0.2425,
0.3360


 17.8973, 0.2029,
0.3373


 98.3830, 0.2484,
0.3357


 10.8763, 0.1852,
0.3371


 126.2469, 0.2533,
0.3353

 5.9837, 0.1612,
0.3359

 158.9301, 0.2576,
0.3350

 2.8352, 0.1272,
0.3320

 196.8169, 0.2612,
0.3347

 1.0463, 0.0045,
0.3453

240.2917, 0.2645,

 0.0000, 0.0000,

0.3345

0.0000

289.7389, 0.2673,
0.3342

■ 39.8623, 0.2270,
0.3368

■ 39.8623, 0.2270,
0.3368

■ 39.8520, 0.2269,
0.3369

■ 40.0284, 0.2283,
0.3360

■ 40.3344, 0.2310,
0.3351

■ 40.8245, 0.2355,
0.3342

■ 41.5228, 0.2419,
0.3334

■ 42.4497, 0.2502,
0.3326

■ 43.6231, 0.2603,
0.3317

■ 45.0592, 0.2720,
0.3310

■ 46.7728, 0.2850,
0.3302

■ 48.7775, 0.2991,
0.3296

Harmonies

Analogous

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



39.8623, 0.2701, 0.3972



39.8623, 0.2270, 0.3368



39.8623, 0.2069, 0.2812

Triad

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



39.8623, 0.2270, 0.3368



39.8623, 0.2890, 0.2449



39.8623, 0.4226, 0.4027

Complementary

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



39.8623, 0.2270, 0.3368



10.8662, 0.6360, 0.3285

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.



39.8623, 0.4315, 0.3586



39.8623, 0.2270, 0.3368



39.8623, 0.3500, 0.2724

Square

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



39.8623, 0.2270, 0.3368



39.8623, 0.2398, 0.2351



39.8623, 0.4044, 0.3126



39.8623, 0.3833, 0.4335

Rectangle

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



39.8623, 0.2270, 0.3368



39.8623, 0.2072, 0.2554



39.8623, 0.4044, 0.3126



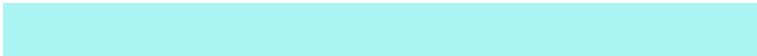
39.8623, 0.4294, 0.3888

Sweetspot

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



39.8638, 0.2270, 0.3368



80.3440, 0.2704, 0.3311



36.4467, 0.3007, 0.5988



17.0375, 0.2654, 0.3314



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.8638, 0.2270, 0.3368



71.3735, 0.2270, 0.3370



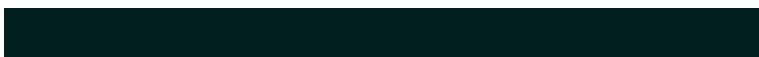
13.0928, 0.1808, 0.1702



10.8050, 0.2988, 0.3296



26.8173, 0.2269, 0.3368



1.0519, 0.2263, 0.3347

Inverse Universe

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



10.8662, 0.6360, 0.3285



19.3908, 0.6381, 0.3289



17.9705, 0.5489, 0.4015



9.5404, 0.3284, 0.3284



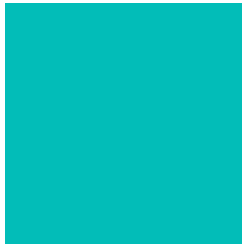
7.2885, 0.6367, 0.3281



0.2869, 0.6238, 0.3210

Previews

White Background



This preview shows how the Yxy color 39.8623, 0.2270, 0.3368 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 39.8623, 0.2270, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

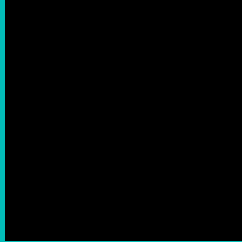
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

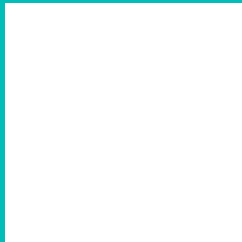
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8623, 0.2270, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 39.8623, 0.2270, 0.3368.

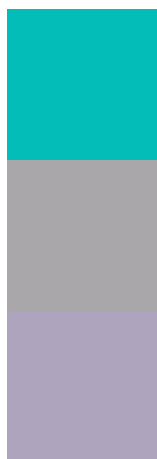


This preview shows how white text looks on a background with the Yxy color 39.8623, 0.2270, 0.3368.

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

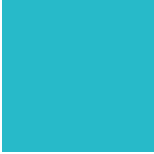
39.8688, 0.2270, 0.3368

Protanopia

39.1238, 0.3121, 0.3234

Deuteranopia

39.3826, 0.3008, 0.2943



Tritanopia

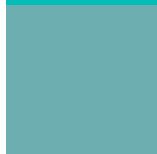
39.7662, 0.2224, 0.3056

Trichromacy



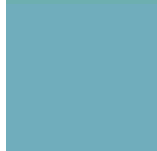
Original Color

39.8688, 0.2270, 0.3368



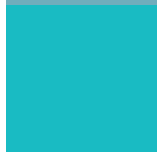
Protanomaly

37.0457, 0.2604, 0.3273



Deuteranomaly

36.9627, 0.2542, 0.3061



Tritanomaly

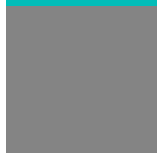
39.6875, 0.2232, 0.3162

Monochromacy



Original Color

39.8688, 0.2270, 0.3368



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.9481, 0.2557, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8623, 0.2270, 0.3368 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(2, 189, 184)` looks like.

```
.text, #text, p{  
    color:rgb(2, 189, 184)  
}
```

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(2, 189, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 189, 184) }
```

Border

The CSS property to change the border of an element to Yxy 39.8623, 0.2270, 0.3368 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(2, 189, 184) }
```

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

```
.border{ border-color:rgb(2, 189, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 189, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 189, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 189, 184);  
box-shadow:4px 4px 4px 4px rgb(2, 189,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8623, 0.2270, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 189, 184) }
```

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

```
.background{ background-color: rgb(2, 189,  
184) }
```

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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