

Converting Colors

$Y_{xy}(39.8239, 0.2233, 0.3239)$

Have a look what the booklet for
Yxy(39.8239, 0.2233, 0.3239)
contains.

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Color

Yxy(39.7280, 0.2233, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	00BCBF
RGB	0, 188, 191
RGB Percent	0%, 74%, 75%
CMY	1.0000, 0.2627, 0.2510
CMYK	1.00, 0.02, 0.00, 0.25
HSL	181°, 100%, 37%
HSV	181°, 100%, 75%
XYZ	27.3804, 39.7280, 55.5088
YIQ	132.1300, -113.0110, -38.9230

Conversions

Conversions Part 2

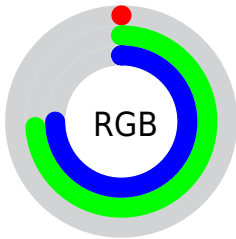
Format	Color
RYB	0, 95, 191
Decimal	48319
CIELab	69.28, -37.35, -12.74
CIELCh	69, 39.460, 198.842
Yxy	39.7280, 0.2233, 0.3240
Android (android.graphics.Color)	4278238399 (0xFF00BCBF)
YUV	132.1300, 29.0229, -115.8780
Hunter-Lab	63.0302, -32.7620, -8.0939

Details

The Yxy color **39.7280, 0.2233, 0.3240** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.1397, 0.6390, 0.3308**, and the grayscale version is **23.0500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8450, 0.2395, 0.3264**, and **18.8852, 0.2223, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **39.7332, 0.2233, 0.3240**, and if you desaturate by 10%, it is **40.0000, 0.2249, 0.3245**.

Distribution



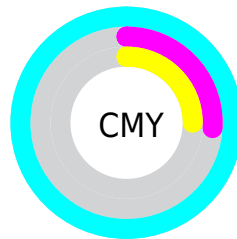
- Red (0%)
- Green (74%)
- Blue (75%)



- Red (0%)
- Yellow (37%)
- Blue (75%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7280, 0.2233, 0.3240 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 39.7280, 0.2233, 0.3240 by changing the saturation by 10% instead.


 39.7280, 0.2233,
0.3240


 39.7280, 0.2233,
0.3240


344.9758, 0.2678,
0.3280

 27.3265, 0.2124,
0.3225


 74.7491, 0.2393,
0.3258

 17.8186, 0.1986,
0.3203


 98.1376, 0.2454,
0.3264

 10.8198, 0.1805,
0.3168


 125.9572, 0.2505,
0.3268

 5.9458, 0.1562,
0.3109

 158.5923, 0.2550,
0.3272

 2.8122, 0.1224,
0.2999

 196.4273, 0.2588,
0.3274

 1.0345, 0.0182,
0.2930

239.8467, 0.2622,

 0.0000, 0.0000,

0.3277

0.0000

289.2347, 0.2651,
0.3278

■ 39.7280, 0.2233,
0.3240

■ 39.7280, 0.2233,
0.3240

■ 39.7332, 0.2233,
0.3240

■ 40.0000, 0.2249,
0.3245

■ 40.4040, 0.2278,
0.3250

■ 40.9946, 0.2325,
0.3255

■ 41.7969, 0.2391,
0.3261

■ 42.8320, 0.2476,
0.3266

■ 44.1185, 0.2579,
0.3271

■ 45.6732, 0.2699,
0.3276

■ 47.5113, 0.2831,
0.3281

■ 49.6470, 0.2975,
0.3286

Harmonies

Analogous

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



39.7280, 0.2609, 0.3834



39.7280, 0.2233, 0.3240



39.7280, 0.2088, 0.2737

Triad

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



39.7280, 0.2233, 0.3240



39.7280, 0.3020, 0.2516



39.7280, 0.4133, 0.4088

Complementary

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



39.7280, 0.2233, 0.3240



11.1397, 0.6390, 0.3308

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.



39.7280, 0.4289, 0.3677



39.7280, 0.2233, 0.3240



39.7280, 0.3615, 0.2816

Square

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



39.7280, 0.2233, 0.3240



39.7280, 0.2507, 0.2381



39.7280, 0.4099, 0.3226



39.7280, 0.3706, 0.4335

Rectangle

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



39.7280, 0.2233, 0.3240



39.7280, 0.2125, 0.2517



39.7280, 0.4099, 0.3226



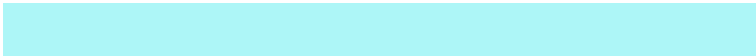
39.7280, 0.4220, 0.3962

Sweetspot

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



39.7332, 0.2233, 0.3240



81.6671, 0.2693, 0.3276



37.2572, 0.3000, 0.6000



17.6612, 0.2640, 0.3274



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



39.7332, 0.2233, 0.3240



71.1347, 0.2233, 0.3239



12.0350, 0.1771, 0.1574



10.7833, 0.2985, 0.3286



26.1270, 0.2234, 0.3241



1.0316, 0.2237, 0.3253

Inverse Universe

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



14.7065, 0.3248, 0.1563



26.3389, 0.3249, 0.1564



19.3489, 0.5410, 0.4086



9.6937, 0.3140, 0.3067



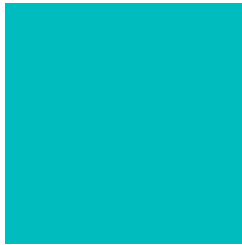
9.6672, 0.3248, 0.1563



0.3795, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 39.7280, 0.2233, 0.3240 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 39.7280, 0.2233, 0.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

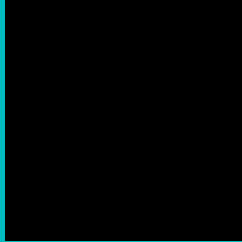
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

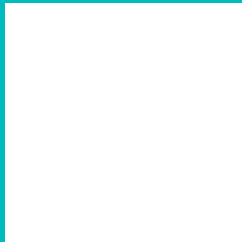
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7280, 0.2233, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 39.7280, 0.2233, 0.3240.



This preview shows how white text looks on a background with the Yxy color 39.7280, 0.2233, 0.3240.

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

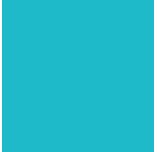
39.7280, 0.2233, 0.3240

Protanopia

39.1766, 0.3044, 0.3138

Deuteranopia

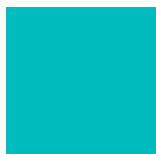
39.1944, 0.2924, 0.2863



Tritanopia

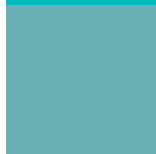
39.6734, 0.2206, 0.3041

Trichromacy



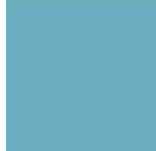
Original Color

39.7280, 0.2233, 0.3240



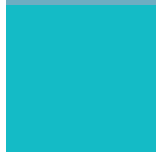
Protanomaly

37.2046, 0.2547, 0.3165



Deuteranomaly

37.0334, 0.2487, 0.2973



Tritanomaly

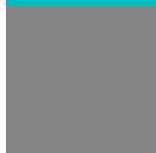
39.7666, 0.2214, 0.3116

Monochromacy



Original Color

39.7280, 0.2233, 0.3240



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.6412, 0.2533, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7280, 0.2233, 0.3240 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, 188, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 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(0, 188, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 191) }
```

Border

The CSS property to change the border of an element to Yxy 39.7280, 0.2233, 0.3240 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, 188, 191) }
```

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

```
.border{ border-color:rgb(0, 188, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7280, 0.2233, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 191) }
```

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

```
.background{ background-color: rgb(0, 188,  
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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