

Converting Colors

$Y_{xy}(39.3772, 0.2228, 0.3222)$

Have a look what the booklet for
Yxy(39.3772, 0.2228, 0.3222)
contains.

Yxy(39.3022, 0.2229, 0.3224)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.3022, 0.2229, 0.3224)

Conversions

Conversions Part 1

Format	Color
Hex	00BBBF
RGB	0, 187, 191
RGB Percent	0%, 73%, 75%
CMY	0.9996, 0.2666, 0.2511
CMYK	1.00, 0.02, 0.00, 0.25
HSL	181°, 100%, 37%
HSV	181°, 100%, 75%
XYZ	27.1726, 39.3022, 55.4302
YIQ	131.5430, -112.7360, -38.4000

Conversions

Conversions Part 2

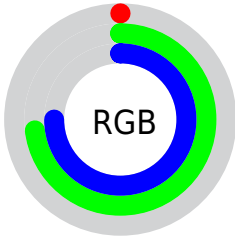
Format	Color
RYB	0, 94, 191
Decimal	48063
CIELab	68.97, -36.87, -13.20
CIELCh	69, 39.156, 199.695
Yxy	39.3022, 0.2229, 0.3224
Android (android.graphics.Color)	4278238143 (0xFF00BBBF)
YUV	131.5430, 29.3123, -115.3632
Hunter-Lab	62.6915, -32.3420, -8.5387

Details

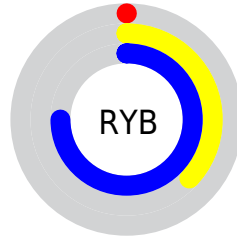
The Yxy color **39.3022, 0.2229, 0.3224** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.1619, 0.6385, 0.3311**, and the grayscale version is **22.8350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2415, 0.2392, 0.3252**, and **18.6100, 0.2217, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **39.3022, 0.2229, 0.3224**, and if you desaturate by 10%, it is **39.6123, 0.2245, 0.3231**.

Distribution



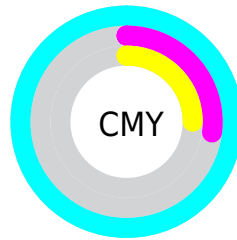
- Red (0%)
- Green (73%)
- Blue (75%)



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



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





- Cyan (100%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3022, 0.2229, 0.3224 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 39.3022, 0.2229, 0.3224 by changing the saturation by 10% instead.

 39.3022, 0.2229,
0.3224


 39.3022, 0.2229,
0.3224

343.1736, 0.2676,
0.3272

 26.9949, 0.2119,
0.3207


 74.0998, 0.2390,
0.3245

 17.5694, 0.1980,
0.3182


 97.3588, 0.2451,
0.3252


 10.6413, 0.1798,
0.3143


 125.0372, 0.2503,
0.3258

 5.8262, 0.1553,
0.3077

 157.5194, 0.2547,
0.3262

 2.7397, 0.1212,
0.2957

 195.1897, 0.2586,
0.3265

 0.9974, 0.0127,
0.2880

238.4326, 0.2620,

 0.0000, 0.0000,

0.3268

0.0000

287.6324, 0.2650,
0.3270

■ 39.3022, 0.2229,
0.3224

■ 39.6123, 0.2245,
0.3231

■ 40.0589, 0.2275,
0.3237

■ 40.6924, 0.2323,
0.3244

■ 41.5378, 0.2390,
0.3251

■ 42.6163, 0.2476,
0.3258

■ 43.9465, 0.2579,
0.3265

■ 45.5451, 0.2699,
0.3272

■ 47.4274, 0.2832,
0.3278

■ 49.6074, 0.2976,
0.3284

Harmonies

Analogous

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



39.3022, 0.2598, 0.3815



39.3022, 0.2229, 0.3224



39.3022, 0.2091, 0.2728

Triad

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



39.3022, 0.2229, 0.3224



39.3022, 0.3037, 0.2526



39.3022, 0.4120, 0.4095

Complementary

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



39.3022, 0.2229, 0.3224



11.1619, 0.6385, 0.3311

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.



39.3022, 0.4285, 0.3688



39.3022, 0.2229, 0.3224



39.3022, 0.3629, 0.2828

Square

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



39.3022, 0.2229, 0.3224



39.3022, 0.2521, 0.2386



39.3022, 0.4105, 0.3239



39.3022, 0.3689, 0.4333

Rectangle

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



39.3022, 0.2229, 0.3224



39.3022, 0.2133, 0.2513



39.3022, 0.4105, 0.3239



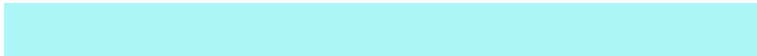
39.3022, 0.4210, 0.3971

Sweetspot

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



39.3036, 0.2229, 0.3224



81.4311, 0.2692, 0.3272



37.2594, 0.2997, 0.5990



17.6022, 0.2639, 0.3269



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.



39.3036, 0.2229, 0.3224



70.3616, 0.2229, 0.3223



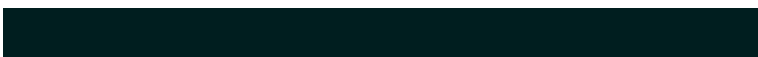
11.4769, 0.1756, 0.1519



10.7745, 0.2985, 0.3285



25.8514, 0.2229, 0.3225



1.0235, 0.2234, 0.3241

Inverse Universe

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



14.6635, 0.3262, 0.1571



26.2608, 0.3263, 0.1571



19.9436, 0.5361, 0.4125



9.6928, 0.3141, 0.3069



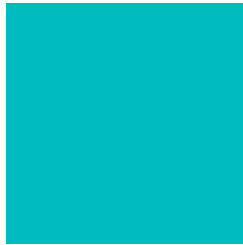
9.6394, 0.3261, 0.1570



0.3787, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 39.3022, 0.2229, 0.3224 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 39.3022, 0.2229, 0.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

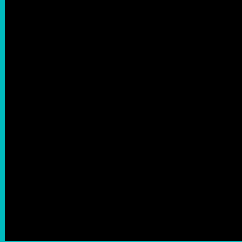
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

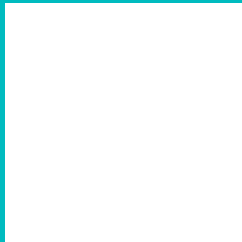
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.3022, 0.2229, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 39.3022, 0.2229, 0.3224.

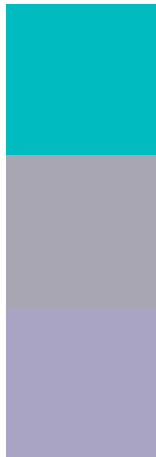


This preview shows how white text looks on a background with the Yxy color 39.3022, 0.2229, 0.3224.

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

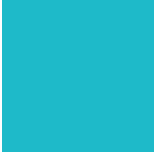
39.3022, 0.2229, 0.3224

Protanopia

38.7023, 0.3035, 0.3123

Deuteranopia

38.6149, 0.2906, 0.2847



Tritanopia

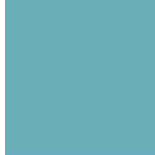
39.6109, 0.2209, 0.3055

Trichromacy



Original Color

39.3022, 0.2229, 0.3224



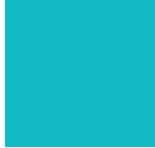
Protanomaly

36.7552, 0.2538, 0.3149



Deuteranomaly

36.5882, 0.2479, 0.2957



Tritanomaly

39.2875, 0.2212, 0.3115

Monochromacy



Original Color

39.3022, 0.2229, 0.3224



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 39.3022, 0.2229, 0.3224 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, 187, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 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, 187, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 191) }
```

Border

The CSS property to change the border of an element to Yxy 39.3022, 0.2229, 0.3224 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, 187, 191) }
```

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

```
.border{ border-color:rgb(0, 187, 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, 187, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3022, 0.2229, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 191) }
```

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

```
.background{ background-color: rgb(0, 187,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor