

Converting Colors

$Y_{xy}(34.5050, 0.1678, 0.3329)$

Have a look what the booklet for
Yxy(34.5050, 0.1678, 0.3329)
contains.

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Color

Yxy(39.4692, 0.2260, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	00BCB9
RGB	0, 188, 185
RGB Percent	0%, 74%, 73%
CMY	1.0000, 0.2627, 0.2745
CMYK	1.00, 0.00, 0.02, 0.26
HSL	179°, 100%, 37%
HSV	179°, 100%, 74%
XYZ	26.7387, 39.4692, 52.1050
YIQ	131.4460, -111.0850, -40.7890

Conversions

Conversions Part 2

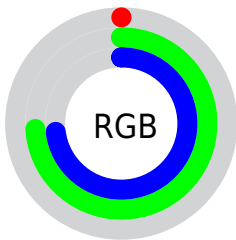
Format	Color
RYB	0, 95, 188
Decimal	48313
CIELab	69.09, -39.15, -9.73
CIELCh	69, 40.337, 193.958
Yxy	39.4692, 0.2260, 0.3336
Android (android.graphics.Color)	4278238393 (0xFF00BCB9)
YUV	131.4460, 26.4021, -115.2781
Hunter-Lab	62.8245, -33.9716, -5.1964

Details

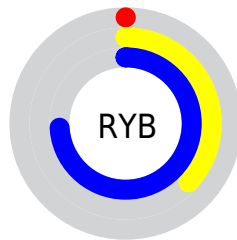
The Yxy color **39.4692, 0.2260, 0.3336** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.6986, 0.6384, 0.3291**, and the grayscale version is **22.7990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4224, 0.2416, 0.3336**, and **18.7161, 0.2259, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **39.4711, 0.2260, 0.3336**, and if you desaturate by 10%, it is **39.6203, 0.2273, 0.3331**.

Distribution



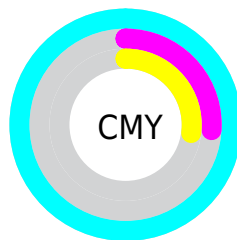
- Red (0%)
- Green (74%)
- Blue (73%)



- Red (0%)
- Yellow (37%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4692, 0.2260, 0.3336 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 39.4692, 0.2260, 0.3336 by changing the saturation by 10% instead.

 39.4692, 0.2260,
0.3336

 39.4692, 0.2260,
0.3336


343.8812, 0.2693,
0.3325

 27.1249, 0.2153,
0.3335


 74.3546, 0.2417,
0.3335


 17.6671, 0.2017,
0.3330


 97.6644, 0.2476,
0.3334


 10.7112, 0.1838,
0.3319


 125.3983, 0.2526,
0.3332

 5.8730, 0.1595,
0.3295

 157.9405, 0.2569,
0.3331

 2.7680, 0.1252,
0.3236

 195.6755, 0.2606,
0.3329

 1.0119, 0.0003,
0.3331

238.9877, 0.2639,

 0.0000, 0.0000,

0.3328

0.0000

288.2615, 0.2668,
0.3326

■ 39.4692, 0.2260,
0.3336

■ 39.4692, 0.2260,
0.3336

■ 39.4711, 0.2260,
0.3336

■ 39.6203, 0.2273,
0.3331

■ 39.9011, 0.2300,
0.3326

■ 40.3617, 0.2344,
0.3321

■ 41.0262, 0.2407,
0.3316

■ 41.9148, 0.2490,
0.3311

■ 43.0455, 0.2590,
0.3306

■ 44.4344, 0.2706,
0.3302

■ 46.0961, 0.2836,
0.3297

■ 48.0442, 0.2978,
0.3294

Harmonies

Analogous

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



39.4692, 0.2678, 0.3939



39.4692, 0.2260, 0.3336



39.4692, 0.2072, 0.2793

Triad

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



39.4692, 0.2260, 0.3336



39.4692, 0.2921, 0.2465



39.4692, 0.4204, 0.4043

Complementary

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



39.4692, 0.2260, 0.3336



10.6986, 0.6384, 0.3291

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.



39.4692, 0.4310, 0.3608



39.4692, 0.2260, 0.3336



39.4692, 0.3529, 0.2746

Square

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



39.4692, 0.2260, 0.3336



39.4692, 0.2424, 0.2357



39.4692, 0.4058, 0.3150



39.4692, 0.3802, 0.4337

Rectangle

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



39.4692, 0.2260, 0.3336



39.4692, 0.2084, 0.2544



39.4692, 0.4058, 0.3150



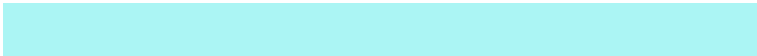
39.4692, 0.4277, 0.3907

Sweetspot

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



39.4711, 0.2260, 0.3336



80.3911, 0.2700, 0.3302



35.9887, 0.3003, 0.5997



17.0490, 0.2649, 0.3304



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.



39.4711, 0.2260, 0.3336



71.5277, 0.2260, 0.3337



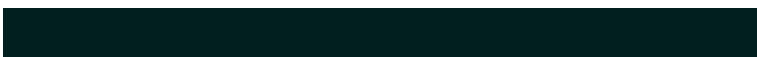
12.2056, 0.1787, 0.1632



10.8068, 0.2987, 0.3293



26.8736, 0.2260, 0.3335



1.0535, 0.2257, 0.3323

Inverse Universe

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



10.6986, 0.6384, 0.3291



19.3851, 0.6389, 0.3293



18.1518, 0.5458, 0.4048



9.5388, 0.3286, 0.3287



7.2848, 0.6380, 0.3288



0.2862, 0.6301, 0.3245

Previews

White Background



This preview shows how the Yxy color 39.4692, 0.2260, 0.3336 looks on a white background.

Color Contrast Check

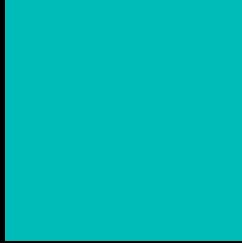
Large Text (above 18pt) WCAG AA × Fail

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 39.4692, 0.2260, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

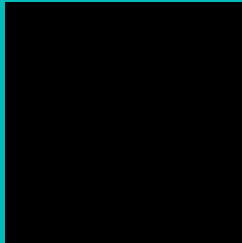
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

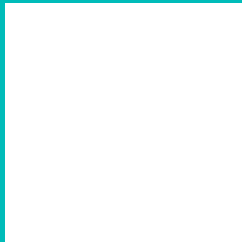
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.4692, 0.2260, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 39.4692, 0.2260, 0.3336.

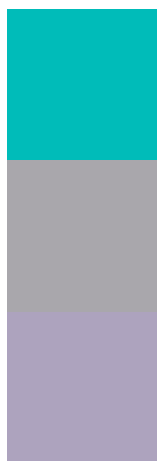


This preview shows how white text looks on a background with the Yxy color 39.4692, 0.2260, 0.3336.

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

39.4692, 0.2260, 0.3336

Protanopia

39.0510, 0.3103, 0.3220

Deuteranopia

38.7963, 0.2990, 0.2927



Tritanopia

39.7282, 0.2220, 0.3056

Trichromacy



Original Color

39.4692, 0.2260, 0.3336



Protanomaly

37.0224, 0.2591, 0.3257



Deuteranomaly

36.4509, 0.2527, 0.3044



Tritanomaly

39.6750, 0.2231, 0.3162

Monochromacy



Original Color

39.4692, 0.2260, 0.3336



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.5298, 0.2540, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4692, 0.2260, 0.3336 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 185) }
```

Border

The CSS property to change the border of an element to Yxy 39.4692, 0.2260, 0.3336 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, 185) }
```

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

```
.border{ border-color:rgb(0, 188, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4692, 0.2260, 0.3336 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, 185) }
```

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

```
.background{ background-color: rgb(0, 188,  
185) }
```

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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