

Converting Colors

$Y_{xy}(33.5373, 0.1564, 0.3536)$

Have a look what the booklet for
Yxy(33.5373, 0.1564, 0.3536)
contains.

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Color

Yxy(39.0616, 0.2306, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	00BCAF
RGB	0, 188, 175
RGB Percent	0%, 74%, 69%
CMY	1.0000, 0.2627, 0.3138
CMYK	1.00, 0.00, 0.07, 0.26
HSL	176°, 100%, 37%
HSV	176°, 100%, 74%
XYZ	25.7140, 39.0616, 46.7334
YIQ	130.3060, -107.8750, -43.8990

Conversions

Conversions Part 2

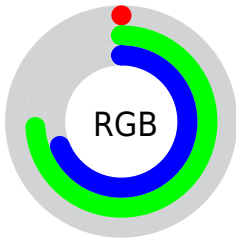
Format	Color
RYB	0, 97, 188
Decimal	48303
CIELab	68.80, -42.12, -4.66
CIELCh	69, 42.377, 186.319
Yxy	39.0616, 0.2306, 0.3503
Android (android.graphics.Color)	4278238383 (0xFF00BCAF)
YUV	130.3060, 22.0341, -114.2784
Hunter-Lab	62.4993, -35.9338, -0.5842

Details

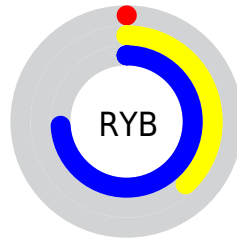
The Yxy color **39.0616, 0.2306, 0.3503** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.7223, 0.6328, 0.3260**, and the grayscale version is **22.3885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7273, 0.2459, 0.3473**, and **18.4803, 0.2316, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **39.0669, 0.2306, 0.3503**, and if you desaturate by 10%, it is **39.2548, 0.2315, 0.3480**.

Distribution



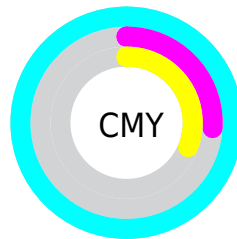
- Red (0%)
- Green (74%)
- Blue (69%)



- Red (0%)
- Yellow (38%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0616, 0.2306, 0.3503 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 39.0616, 0.2306, 0.3503 by changing the saturation by 10% instead.


 39.0616, 0.2306,
0.3503


 39.0616, 0.2306,
0.3503

342.1523, 0.2720,
0.3401


 26.8077, 0.2202,
0.3526


 73.7324, 0.2457,
0.3467


 17.4288, 0.2069,
0.3555


 96.9181, 0.2514,
0.3454


 10.5407, 0.1893,
0.3590


 124.5164, 0.2562,
0.3442

 5.7589, 0.1650,
0.3633

 156.9118, 0.2602,
0.3432

 2.6990, 0.1301,
0.3681

 194.4888, 0.2638,
0.3423

 0.9767, 0.0000,
0.4023

237.6315, 0.2669,

 0.0000, 0.0000,

0.3415

0.0000

286.7246, 0.2696,
0.3408

■ 39.0616, 0.2306,
0.3503

■ 39.0616, 0.2306,
0.3503

■ 39.0669, 0.2306,
0.3503

■ 39.2548, 0.2315,
0.3480

■ 39.5749, 0.2338,
0.3457

■ 40.0752, 0.2379,
0.3434

■ 40.7798, 0.2439,
0.3411

■ 41.7091, 0.2518,
0.3388

■ 42.8810, 0.2614,
0.3366

■ 44.3116, 0.2725,
0.3345

■ 46.0155, 0.2850,
0.3325

■ 48.0064, 0.2985,
0.3307

Harmonies

Analogous

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



39.0616, 0.2793, 0.4116



39.0616, 0.2306, 0.3503



39.0616, 0.2047, 0.2891

Triad

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



39.0616, 0.2306, 0.3503



39.0616, 0.2760, 0.2379



39.0616, 0.4322, 0.3967

Complementary

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



39.0616, 0.2306, 0.3503



10.7223, 0.6328, 0.3260

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.



39.0616, 0.4342, 0.3495



39.0616, 0.2306, 0.3503



39.0616, 0.3384, 0.2630

Square

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



39.0616, 0.2306, 0.3503



39.0616, 0.2288, 0.2318



39.0616, 0.3987, 0.3025



39.0616, 0.3964, 0.4334

Rectangle

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



39.0616, 0.2306, 0.3503



39.0616, 0.2017, 0.2590



39.0616, 0.3987, 0.3025



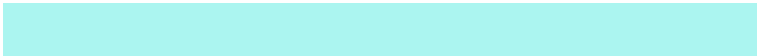
39.0616, 0.4371, 0.3815

Sweetspot

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



39.0669, 0.2306, 0.3503



80.1564, 0.2720, 0.3346



36.0796, 0.3018, 0.5985



16.9917, 0.2671, 0.3355



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.



39.0669, 0.2306, 0.3503



70.7762, 0.2307, 0.3507



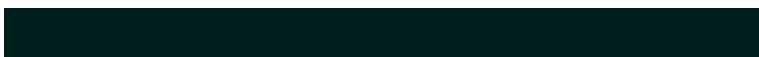
14.7132, 0.1851, 0.1863



10.7978, 0.2994, 0.3306



26.5990, 0.2306, 0.3500



1.0454, 0.2290, 0.3445

Inverse Universe

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



10.7223, 0.6328, 0.3260



19.4169, 0.6345, 0.3269



16.1902, 0.5651, 0.3895



9.5468, 0.3278, 0.3274



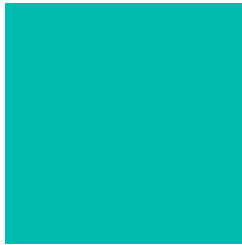
7.3033, 0.6313, 0.3252



0.2898, 0.5998, 0.3078

Previews

White Background



This preview shows how the Yxy color 39.0616, 0.2306, 0.3503 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 39.0616, 0.2306, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

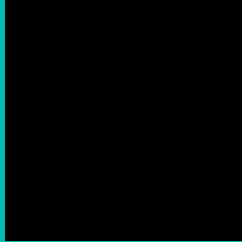
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

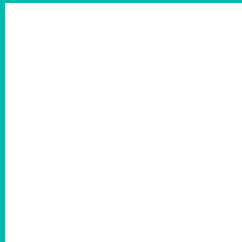
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.0616, 0.2306, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 39.0616, 0.2306, 0.3503.

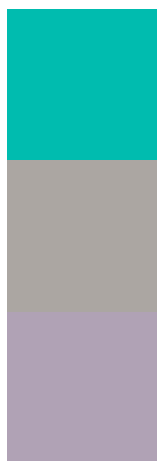


This preview shows how white text looks on a background with the Yxy color 39.0616, 0.2306, 0.3503.

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

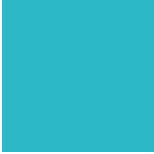
39.0616, 0.2306, 0.3503

Protanopia

38.5390, 0.3209, 0.3346

Deuteranopia

38.4070, 0.3093, 0.3033



Tritanopia

38.9400, 0.2235, 0.3055

Trichromacy



Original Color

39.0616, 0.2306, 0.3503



Protanomaly

36.3133, 0.2661, 0.3400



Deuteranomaly

35.8252, 0.2595, 0.3164



Tritanomaly

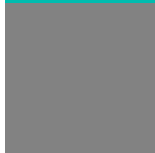
38.6625, 0.2250, 0.3208

Monochromacy



Original Color

39.0616, 0.2306, 0.3503



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

26.0475, 0.2573, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0616, 0.2306, 0.3503 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 175) }
```

Border

The CSS property to change the border of an element to Yxy 39.0616, 0.2306, 0.3503 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, 175) }
```

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

```
.border{ border-color:rgb(0, 188, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0616, 0.2306, 0.3503 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, 175) }
```

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

```
.background{ background-color: rgb(0, 188,  
175) }
```

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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