

Converting Colors

$Y_{xy}(34.9636, 0.1788, 0.3570)$

Have a look what the booklet for
Yxy(34.9636, 0.1788, 0.3570)
contains.

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Color

Yxy(38.9836, 0.2316, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	00BCAD
RGB	0, 188, 173
RGB Percent	0%, 74%, 68%
CMY	0.9993, 0.2627, 0.3216
CMYK	1.00, 0.00, 0.08, 0.26
HSL	175°, 100%, 37%
HSV	175°, 100%, 74%
XYZ	25.5262, 38.9836, 45.7068
YIQ	130.0780, -107.2330, -44.5210

Conversions

Conversions Part 2

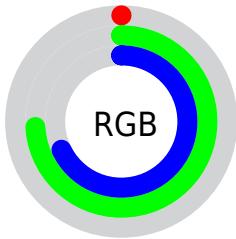
Format	Color
RYB	0, 98, 188
Decimal	48301
CIELab	68.74, -42.66, -3.65
CIELCh	69, 42.821, 184.888
Yxy	38.9836, 0.2316, 0.3537
Android (android.graphics.Color)	4278238381 (0xFF00BCAD)
YUV	130.0780, 21.1605, -114.0784
Hunter-Lab	62.4368, -36.2880, 0.3026

Details

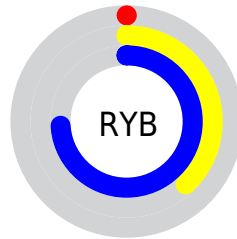
The Yxy color **38.9836, 0.2316, 0.3537** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.7303, 0.6313, 0.3252**, and the grayscale version is **22.3227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6156, 0.2467, 0.3499**, and **18.4307, 0.2329, 0.3584** is the 20% darker color. If you saturate the color by 10%, you get **38.9835, 0.2316, 0.3537**, and if you desaturate by 10%, it is **39.1806, 0.2324, 0.3510**.

Distribution



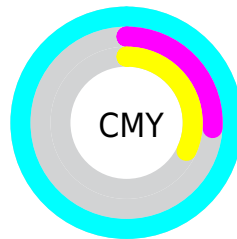
- Red (0%)
- Green (74%)
- Blue (68%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9836, 0.2316, 0.3537 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 38.9836, 0.2316, 0.3537 by changing the saturation by 10% instead.


 38.9836, 0.2316,
0.3537


 38.9836, 0.2316,
0.3537


341.8208, 0.2726,
0.3417

 26.7470, 0.2213,
0.3566


 73.6133, 0.2466,
0.3494

 17.3833, 0.2081,
0.3601


 96.7751, 0.2522,
0.3478


 10.5081, 0.1905,
0.3646


 124.3474, 0.2569,
0.3464

 5.7371, 0.1663,
0.3704

 156.7147, 0.2610,
0.3452

 2.6859, 0.1313,
0.3777

 194.2613, 0.2645,
0.3441

 0.9700, 0.0000,
0.4179

237.3715, 0.2675,

 0.0000, 0.0000,

0.3432

0.0000

286.4299, 0.2702,
0.3424

■ 38.9836, 0.2316,
0.3537

■ 38.9836, 0.2316,
0.3537

■ 38.9835, 0.2316,
0.3537

■ 39.1806, 0.2324,
0.3510

■ 39.5093, 0.2346,
0.3484

■ 40.0187, 0.2387,
0.3457

■ 40.7327, 0.2446,
0.3430

■ 41.6717, 0.2524,
0.3403

■ 42.8535, 0.2620,
0.3378

■ 44.2943, 0.2730,
0.3354

■ 46.0087, 0.2854,
0.3331

■ 48.0103, 0.2988,
0.3309

Harmonies

Analogous

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



38.9836, 0.2817, 0.4150



38.9836, 0.2316, 0.3537



38.9836, 0.2043, 0.2911

Triad

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



38.9836, 0.2316, 0.3537



38.9836, 0.2728, 0.2362



38.9836, 0.4344, 0.3951

Complementary

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



38.9836, 0.2316, 0.3537



10.7303, 0.6313, 0.3252

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.



38.9836, 0.4347, 0.3472



38.9836, 0.2316, 0.3537



38.9836, 0.3355, 0.2608

Square

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



38.9836, 0.2316, 0.3537



38.9836, 0.2263, 0.2311



38.9836, 0.3972, 0.3000



38.9836, 0.3995, 0.4332

Rectangle

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



38.9836, 0.2316, 0.3537



38.9836, 0.2005, 0.2600



38.9836, 0.3972, 0.3000



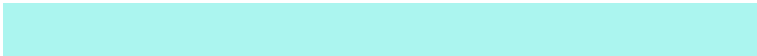
38.9836, 0.4388, 0.3796

Sweetspot

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



38.9851, 0.2316, 0.3537



80.1101, 0.2724, 0.3355



36.0763, 0.3018, 0.5985



16.9804, 0.2675, 0.3365



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.



38.9851, 0.2316, 0.3537



70.6327, 0.2317, 0.3541



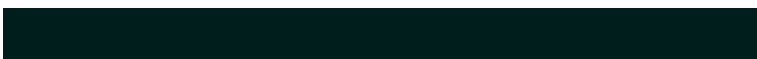
14.7273, 0.1851, 0.1864



10.7960, 0.2995, 0.3308



26.5464, 0.2315, 0.3534



1.0438, 0.2297, 0.3470

Inverse Universe

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



10.7303, 0.6313, 0.3252



19.4255, 0.6334, 0.3263



16.2023, 0.5649, 0.3896



9.5484, 0.3276, 0.3272



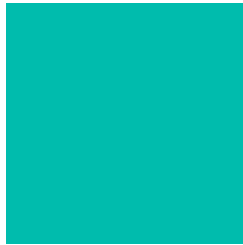
7.3074, 0.6299, 0.3244



0.2905, 0.5942, 0.3047

Previews

White Background



This preview shows how the Yxy color 38.9836, 0.2316, 0.3537 looks on a white background.

Color Contrast Check

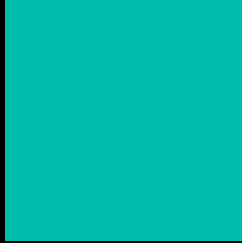
Large Text (above 18pt) WCAG AA × Fail

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 38.9836, 0.2316, 0.3537 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

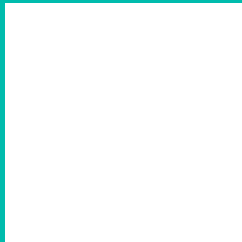
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9836, 0.2316, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 38.9836, 0.2316, 0.3537.

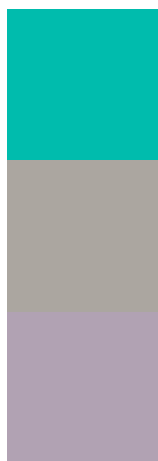


This preview shows how white text looks on a background with the Yxy color 38.9836, 0.2316, 0.3537.

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

38.9836, 0.2316, 0.3537

Protanopia

38.4684, 0.3226, 0.3375

Deuteranopia

38.4424, 0.3119, 0.3060



Tritanopia

38.9853, 0.2239, 0.3055

Trichromacy



Original Color

38.9836, 0.2316, 0.3537



Protanomaly

36.2399, 0.2674, 0.3433



Deuteranomaly

35.8109, 0.2615, 0.3195



Tritanomaly

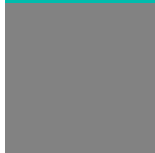
38.6768, 0.2252, 0.3208

Monochromacy



Original Color

38.9836, 0.2316, 0.3537



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 38.9836, 0.2316, 0.3537 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 173) }
```

Border

The CSS property to change the border of an element to Yxy 38.9836, 0.2316, 0.3537 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, 173) }
```

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

```
.border{ border-color:rgb(0, 188, 173) }
```

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, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9836, 0.2316, 0.3537 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, 173) }
```

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

```
.background{ background-color: rgb(0, 188,  
173) }
```

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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