

Converting Colors

$Y_{xy}(37.9676, 0.2107, 0.3581)$

Have a look what the booklet for
Yxy(37.9676, 0.2107, 0.3581)
contains.

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Color

Yxy(39.8440, 0.2325, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	01BEAD
RGB	1, 190, 173
RGB Percent	0%, 75%, 68%
CMY	0.9972, 0.2549, 0.3215
CMYK	1.00, 0.00, 0.09, 0.25
HSL	175°, 99%, 37%
HSV	175°, 100%, 75%
XYZ	25.9634, 39.8440, 45.8630
YIQ	131.5510, -107.1870, -45.3550

Conversions

Conversions Part 2

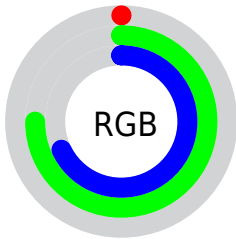
Format	Color
RYB	1, 100, 190
Decimal	114349
CIELab	69.36, -43.50, -2.75
CIELCh	69, 43.588, 183.620
Yxy	39.8440, 0.2325, 0.3568
Android (android.graphics.Color)	4278304429 (0xFF01BEAD)
YUV	131.5510, 20.4344, -114.4932
Hunter-Lab	63.1221, -37.0431, 1.1068

Details

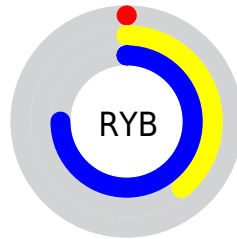
The Yxy color **39.8440, 0.2325, 0.3568** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.0040, 0.6295, 0.3245**, and the grayscale version is **22.8237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8897, 0.2476, 0.3523**, and **18.9888, 0.2341, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **39.8385, 0.2325, 0.3569**, and if you desaturate by 10%, it is **40.0530, 0.2332, 0.3538**.

Distribution



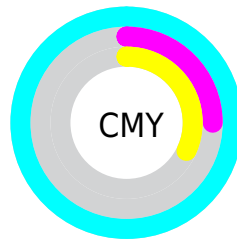
- Red (0%)
- Green (75%)
- Blue (68%)



- Red (0%)
- Yellow (39%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8440, 0.2325, 0.3568 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 39.8440, 0.2325, 0.3568 by changing the saturation by 10% instead.

 39.8440, 0.2325,
0.3568

 39.8440, 0.2325,
0.3568


345.4656, 0.2730,
0.3431

 27.4169, 0.2224,
0.3601


 74.9259, 0.2473,
0.3519

 17.8866, 0.2093,
0.3643


 98.3495, 0.2528,
0.3500


 10.8686, 0.1921,
0.3696


 126.2075, 0.2575,
0.3485

 5.9785, 0.1683,
0.3767

 158.8841, 0.2615,
0.3471

 2.8320, 0.1339,
0.3861

 196.7639, 0.2649,
0.3459

 1.0447, 0.0000,
0.4333

240.2311, 0.2680,

 0.0000, 0.0000,

0.3449

0.0000

289.6702, 0.2706,
0.3439

■ 39.8440, 0.2325,
0.3568

■ 39.8440, 0.2325,
0.3568

■ 39.8385, 0.2325,
0.3569

■ 40.0530, 0.2332,
0.3538

■ 40.4002, 0.2354,
0.3508

■ 40.9334, 0.2394,
0.3477

■ 41.6771, 0.2454,
0.3447

■ 42.6521, 0.2532,
0.3417

■ 43.8767, 0.2627,
0.3388

■ 45.3673, 0.2737,
0.3361

■ 47.1390, 0.2860,
0.3335

■ 49.2058, 0.2993,
0.3311

Harmonies

Analogous

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



39.8440, 0.2838, 0.4181



39.8440, 0.2325, 0.3568



39.8440, 0.2039, 0.2930

Triad

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



39.8440, 0.2325, 0.3568



39.8440, 0.2700, 0.2348



39.8440, 0.4364, 0.3936

Complementary

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



39.8440, 0.2325, 0.3568



11.0040, 0.6295, 0.3245

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.



39.8440, 0.4351, 0.3452



39.8440, 0.2325, 0.3568



39.8440, 0.3329, 0.2588

Square

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



39.8440, 0.2325, 0.3568



39.8440, 0.2240, 0.2304



39.8440, 0.3958, 0.2978



39.8440, 0.4023, 0.4329

Rectangle

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



39.8440, 0.2325, 0.3568



39.8440, 0.1993, 0.2610



39.8440, 0.3958, 0.2978



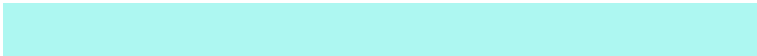
39.8440, 0.4404, 0.3779

Sweetspot

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



39.8455, 0.2325, 0.3568



81.9692, 0.2727, 0.3363



36.9698, 0.3024, 0.5979



17.7370, 0.2679, 0.3375



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.



39.8455, 0.2325, 0.3568



72.1809, 0.2326, 0.3574



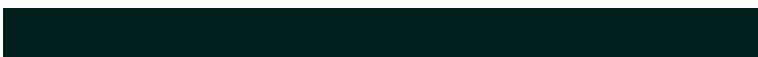
15.8191, 0.1869, 0.1926



10.7944, 0.2997, 0.3310



26.4990, 0.2324, 0.3565



1.0424, 0.2304, 0.3493

Inverse Universe

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



11.0040, 0.6295, 0.3245



19.8965, 0.6322, 0.3257



16.1745, 0.5691, 0.3859



9.5499, 0.3275, 0.3270



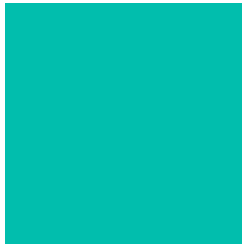
7.3114, 0.6284, 0.3236



0.2911, 0.5891, 0.3019

Previews

White Background



This preview shows how the Yxy color 39.8440, 0.2325, 0.3568 looks on a white background.

Color Contrast Check

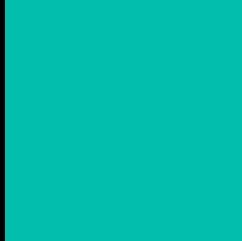
Large Text (above 18pt) WCAG AA × Fail

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 39.8440, 0.2325, 0.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

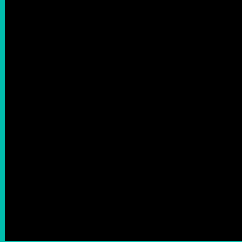
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8440, 0.2325, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 39.8440, 0.2325, 0.3568.

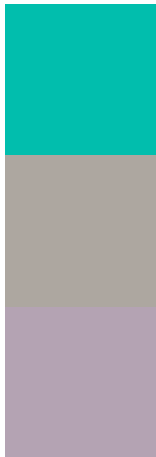


This preview shows how white text looks on a background with the Yxy color 39.8440, 0.2325, 0.3568.

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

39.8505, 0.2325, 0.3568

Protanopia

39.0597, 0.3244, 0.3388

Deuteranopia

39.1524, 0.3147, 0.3076



Tritanopia

39.9392, 0.2241, 0.3057

Trichromacy



Original Color

39.8505, 0.2325, 0.3568



Protanomaly

36.6916, 0.2683, 0.3448



Deuteranomaly

36.7063, 0.2633, 0.3227



Tritanomaly

39.5783, 0.2257, 0.3224

Monochromacy



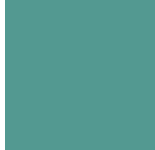
Original Color

39.8505, 0.2325, 0.3568



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.4166, 0.2583, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8440, 0.2325, 0.3568 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(1, 190, 173)` looks like.

```
.text, #text, p{  
    color:rgb(1, 190, 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(1, 190, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 190, 173) }
```

Border

The CSS property to change the border of an element to Yxy 39.8440, 0.2325, 0.3568 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(1, 190, 173) }
```

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

```
.border{ border-color:rgb(1, 190, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 190, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 190, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 190, 173);  
box-shadow:4px 4px 4px 4px rgb(1, 190,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8440, 0.2325, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 190, 173) }
```

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

```
.background{ background-color: rgb(1, 190,  
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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