

Converting Colors

$Y_{xy}(40.0096, 0.2379, 0.3765)$

Have a look what the booklet for
Yxy(40.0096, 0.2379, 0.3765)
contains.

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Color

Yxy(39.9059, 0.2377, 0.3759)

Conversions

Conversions Part 1

Format	Color
Hex	00BFA3
RGB	0, 191, 163
RGB Percent	0%, 75%, 64%
CMY	1.0000, 0.2509, 0.3608
CMYK	1.00, 0.00, 0.15, 0.25
HSL	171°, 100%, 37%
HSV	171°, 100%, 75%
XYZ	25.2345, 39.9059, 41.0206
YIQ	130.6990, -104.8480, -49.2000

Conversions

Conversions Part 2

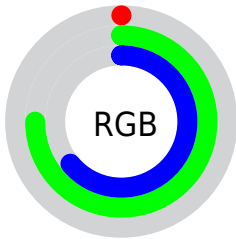
Format	Color
RYB	0, 103, 191
Decimal	49059
CIELab	69.40, -46.76, 2.80
CIElCh	69, 46.840, 176.575
Yxy	39.9059, 0.2377, 0.3759
Android (android.graphics.Color)	4278239139 (0xFF00BFA3)
YUV	130.6990, 15.9244, -114.6230
Hunter-Lab	63.1711, -39.2455, 5.7194

Details

The Yxy color **39.9059, 0.2377, 0.3759** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.1621, 0.6205, 0.3192**, and the grayscale version is **22.5571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9061, 0.2518, 0.3664**, and **18.7560, 0.2408, 0.3869** is the 20% darker color. If you saturate the color by 10%, you get **39.9120, 0.2378, 0.3759**, and if you desaturate by 10%, it is **40.1530, 0.2380, 0.3708**.

Distribution



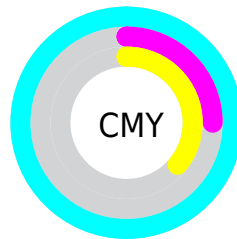
- Red (0%)
- Green (75%)
- Blue (64%)



- Red (0%)
- Yellow (40%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9059, 0.2377, 0.3759 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 39.9059, 0.2377, 0.3759 by changing the saturation by 10% instead.


 39.9059, 0.2377,
0.3759


 39.9059, 0.2377,
0.3759


345.7268, 0.2760,
0.3517


 27.4652, 0.2280,
0.3822


 75.0202, 0.2518,
0.3669

 17.9229, 0.2154,
0.3904


 98.4626, 0.2570,
0.3636

 10.8946, 0.1985,
0.4016


 126.3410, 0.2614,
0.3608

 5.9960, 0.1749,
0.4175

 159.0397, 0.2652,
0.3584

 2.8427, 0.1401,
0.4419

 196.9433, 0.2684,
0.3564

 1.0502, 0.0000,
0.5283

240.4361, 0.2713,

 0.0000, 0.0000,

0.3546

0.0000

289.9025, 0.2738,
0.3530

■ 39.9059, 0.2377,
0.3759

■ 39.9059, 0.2377,
0.3759

■ 39.9120, 0.2378,
0.3759

■ 40.1530, 0.2380,
0.3708

■ 40.5333, 0.2396,
0.3656

■ 41.1022, 0.2432,
0.3604

■ 41.8849, 0.2486,
0.3553

■ 42.9024, 0.2559,
0.3503

■ 44.1735, 0.2649,
0.3455

■ 45.7149, 0.2753,
0.3409

■ 47.5419, 0.2870,
0.3366

■ 49.6686, 0.2995,
0.3326

Harmonies

Analogous

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



39.9059, 0.2964, 0.4368



39.9059, 0.2377, 0.3759



39.9059, 0.2014, 0.3045

Triad

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



39.9059, 0.2377, 0.3759



39.9059, 0.2533, 0.2257



39.9059, 0.4486, 0.3852

Complementary

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



39.9059, 0.2377, 0.3759



11.1621, 0.6205, 0.3192

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.



39.9059, 0.4377, 0.3333



39.9059, 0.2377, 0.3759



39.9059, 0.3174, 0.2467

Square

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



39.9059, 0.2377, 0.3759



39.9059, 0.2102, 0.2263



39.9059, 0.3873, 0.2847



39.9059, 0.4194, 0.4313

Rectangle

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



39.9059, 0.2377, 0.3759



39.9059, 0.1924, 0.2664



39.9059, 0.3873, 0.2847



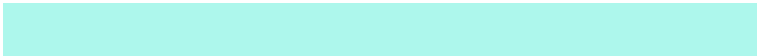
39.9059, 0.4498, 0.3680

Sweetspot

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



39.9120, 0.2378, 0.3759



81.7198, 0.2748, 0.3411



37.5239, 0.3042, 0.5967



17.6750, 0.2702, 0.3430



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.



39.9120, 0.2378, 0.3759



71.4424, 0.2380, 0.3767



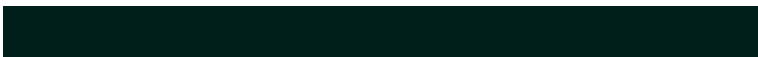
18.2174, 0.1917, 0.2099



10.7848, 0.3004, 0.3324



26.2346, 0.2376, 0.3752



1.0343, 0.2342, 0.3629

Inverse Universe

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



11.1621, 0.6205, 0.3192



19.9669, 0.6231, 0.3206



15.0753, 0.5838, 0.3747



9.5586, 0.3266, 0.3257



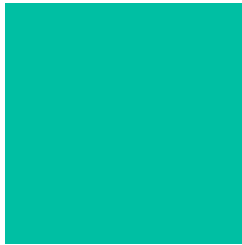
7.3419, 0.6179, 0.3178



0.2950, 0.5619, 0.2869

Previews

White Background



This preview shows how the Yxy color 39.9059, 0.2377, 0.3759 looks on a white background.

Color Contrast Check

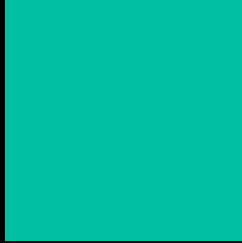
Large Text (above 18pt) WCAG AA × Fail

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 39.9059, 0.2377, 0.3759 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 39.9059, 0.2377, 0.3759

Background



This preview shows how black text looks on a background with the Yxy color 39.9059, 0.2377, 0.3759.

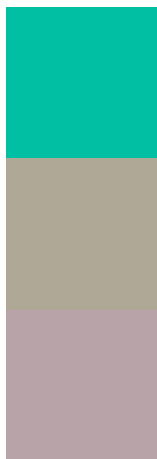


This preview shows how white text looks on a background with the Yxy color 39.9059, 0.2377, 0.3759.

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

39.9059, 0.2377, 0.3759

Protanopia

39.3536, 0.3341, 0.3528

Deuteranopia

39.2493, 0.3273, 0.3210



Tritanopia

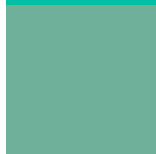
40.0917, 0.2256, 0.3058

Trichromacy



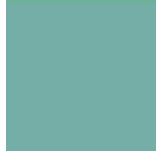
Original Color

39.9059, 0.2377, 0.3759



Protanomaly

36.7967, 0.2760, 0.3628



Deuteranomaly

36.4591, 0.2715, 0.3383



Tritanomaly

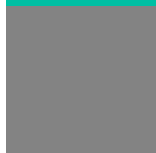
39.8944, 0.2286, 0.3303

Monochromacy



Original Color

39.9059, 0.2377, 0.3759



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.6046, 0.2600, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9059, 0.2377, 0.3759 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, 191, 163)` looks like.

```
.text, #text, p{  
  color:rgb(0, 191, 163)  
}
```

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, 191, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 163) }
```

Border

The CSS property to change the border of an element to Yxy 39.9059, 0.2377, 0.3759 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, 191, 163) }
```

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

```
.border{ border-color:rgb(0, 191, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9059, 0.2377, 0.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 163) }
```

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

```
.background{ background-color: rgb(0, 191,  
163) }
```

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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