

Converting Colors

$Y_{xy}(40.4821, 0.2319, 0.3547)$

Have a look what the booklet for
Yxy(40.4821, 0.2319, 0.3547)
contains.

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Color

Yxy(40.3567, 0.2319, 0.3550)

Conversions

Conversions Part 1

Format	Color
Hex	00BFAF
RGB	0, 191, 175
RGB Percent	0%, 75%, 69%
CMY	1.0000, 0.2509, 0.3137
CMYK	1.00, 0.00, 0.08, 0.25
HSL	175°, 100%, 37%
HSV	175°, 100%, 75%
XYZ	26.3626, 40.3567, 46.9616
YIQ	132.0670, -108.7000, -45.4680

Conversions

Conversions Part 2

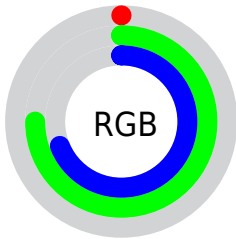
Format	Color
RYB	0, 100, 191
Decimal	49071
CIELab	69.72, -43.42, -3.31
CIELCh	70, 43.544, 184.361
Yxy	40.3567, 0.2319, 0.3550
Android (android.graphics.Color)	4278239151 (0xFF00BFAF)
YUV	132.0670, 21.1660, -115.8228
Hunter-Lab	63.5269, -37.0977, 0.6394

Details

The Yxy color **40.3567, 0.2319, 0.3550** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.1154, 0.6311, 0.3250**, and the grayscale version is **23.0545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6147, 0.2470, 0.3509**, and **19.3214, 0.2334, 0.3601** is the 20% darker color. If you saturate the color by 10%, you get **40.3626, 0.2320, 0.3550**, and if you desaturate by 10%, it is **40.5654, 0.2327, 0.3522**.

Distribution



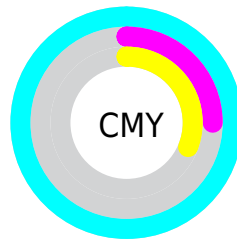
- Red (0%)
- Green (75%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3567, 0.2319, 0.3550 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 40.3567, 0.2319, 0.3550 by changing the saturation by 10% instead.


 40.3567, 0.2319,
0.3550


 40.3567, 0.2319,
0.3550


347.6247, 0.2726,
0.3423


 27.8168, 0.2217,
0.3580


 75.7064, 0.2467,
0.3505


 18.1876, 0.2088,
0.3618


 99.2849, 0.2522,
0.3488


 11.0847, 0.1916,
0.3666


 127.3118, 0.2569,
0.3473

 6.1239, 0.1680,
0.3728

 160.1713, 0.2610,
0.3460

 2.9205, 0.1340,
0.3808

 198.2480, 0.2645,
0.3449

 1.0904, 0.0000,
0.4253

241.9262, 0.2675,

 0.0000, 0.0000,

0.3440

0.0000

291.5903, 0.2702,
0.3431

■ 40.3567, 0.2319,
0.3550

■ 40.3567, 0.2319,
0.3550

■ 40.3626, 0.2320,
0.3550

■ 40.5654, 0.2327,
0.3522

■ 40.9059, 0.2349,
0.3494

■ 41.4335, 0.2388,
0.3465

■ 42.1734, 0.2447,
0.3437

■ 43.1466, 0.2525,
0.3409

■ 44.3718, 0.2620,
0.3383

■ 45.8658, 0.2730,
0.3357

■ 47.6437, 0.2854,
0.3333

■ 49.7198, 0.2987,
0.3310

Harmonies

Analogous

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



40.3567, 0.2825, 0.4164



40.3567, 0.2319, 0.3550



40.3567, 0.2041, 0.2918

Triad

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



40.3567, 0.2319, 0.3550



40.3567, 0.2716, 0.2356



40.3567, 0.4353, 0.3945

Complementary

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



40.3567, 0.2319, 0.3550



11.1154, 0.6311, 0.3250

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.



40.3567, 0.4350, 0.3464



40.3567, 0.2319, 0.3550



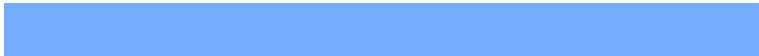
40.3567, 0.3345, 0.2599

Square

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



40.3567, 0.2319, 0.3550



40.3567, 0.2252, 0.2307



40.3567, 0.3967, 0.2991



40.3567, 0.4007, 0.4331

Rectangle

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



40.3567, 0.2319, 0.3550



40.3567, 0.1999, 0.2603



40.3567, 0.3967, 0.2991



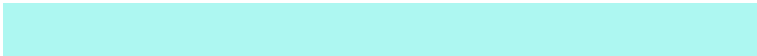
40.3567, 0.4396, 0.3789

Sweetspot

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



40.3626, 0.2320, 0.3550



81.9954, 0.2725, 0.3358



37.4066, 0.3023, 0.5982



17.7436, 0.2676, 0.3369



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.



40.3626, 0.2320, 0.3550



72.2612, 0.2321, 0.3554



15.9343, 0.1867, 0.1920



10.7954, 0.2996, 0.3309



26.5277, 0.2318, 0.3546



1.0432, 0.2300, 0.3479

Inverse Universe

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



11.1154, 0.6311, 0.3250



19.8910, 0.6330, 0.3261



16.3029, 0.5700, 0.3856



9.5490, 0.3275, 0.3271



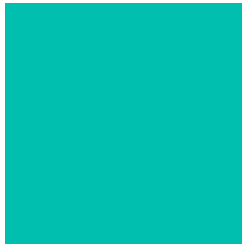
7.3089, 0.6293, 0.3240



0.2908, 0.5922, 0.3036

Previews

White Background



This preview shows how the Yxy color 40.3567, 0.2319, 0.3550 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 40.3567, 0.2319, 0.3550 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

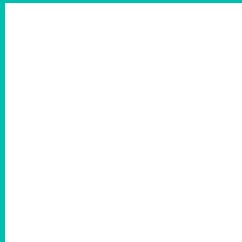
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3567, 0.2319, 0.3550

Background



This preview shows how black text looks on a background with the Yxy color 40.3567, 0.2319, 0.3550.

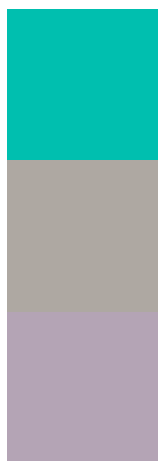


This preview shows how white text looks on a background with the Yxy color 40.3567, 0.2319, 0.3550.

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

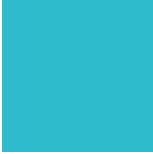
40.3567, 0.2319, 0.3550

Protanopia

39.6126, 0.3235, 0.3374

Deuteranopia

39.5904, 0.3129, 0.3063



Tritanopia

40.4093, 0.2240, 0.3058

Trichromacy



Original Color

40.3567, 0.2319, 0.3550



Protanomaly

37.2202, 0.2678, 0.3431



Deuteranomaly

37.1716, 0.2622, 0.3212



Tritanomaly

40.0482, 0.2257, 0.3224

Monochromacy



Original Color

40.3567, 0.2319, 0.3550



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.8054, 0.2571, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3567, 0.2319, 0.3550 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 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, 191, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 175) }
```

Border

The CSS property to change the border of an element to Yxy 40.3567, 0.2319, 0.3550 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, 175) }
```

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

```
.border{ border-color:rgb(0, 191, 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, 191, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3567, 0.2319, 0.3550 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, 175) }
```

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

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