

Converting Colors

$Y_{xy}(39.1344, 0.2072, 0.3311)$

Have a look what the booklet for
Yxy(39.1344, 0.2072, 0.3311)
contains.

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Color

Yxy(40.9357, 0.2255, 0.3319)

Conversions

Conversions Part 1

Format	Color
Hex	00BFBD
RGB	0, 191, 189
RGB Percent	0%, 75%, 74%
CMY	1.0000, 0.2509, 0.2588
CMYK	1.00, 0.00, 0.01, 0.25
HSL	179°, 100%, 37%
HSV	179°, 100%, 75%
XYZ	27.8126, 40.9357, 54.5892
YIQ	133.6630, -113.1940, -41.1140

Conversions

Conversions Part 2

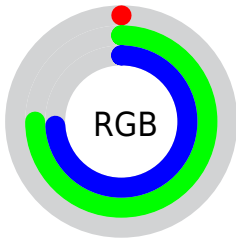
Format	Color
RYB	0, 96, 191
Decimal	49085
CIELab	70.13, -39.30, -10.38
CIELCh	70, 40.653, 194.796
Yxy	40.9357, 0.2255, 0.3319
Android (android.graphics.Color)	4278239165 (0xFF00BFBD)
YUV	133.6630, 27.2811, -117.2225
Hunter-Lab	63.9810, -34.3727, -5.8000

Details

The Yxy color **40.9357, 0.2255, 0.3319** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.0819, 0.6390, 0.3294**, and the grayscale version is **23.6421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5522, 0.2411, 0.3324**, and **19.6689, 0.2253, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **40.9404, 0.2255, 0.3319**, and if you desaturate by 10%, it is **41.0885, 0.2269, 0.3316**.

Distribution



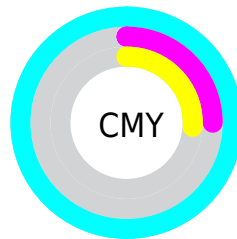
- Red (0%)
- Green (75%)
- Blue (74%)



- Red (0%)
- Yellow (38%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9357, 0.2255, 0.3319 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 40.9357, 0.2255, 0.3319 by changing the saturation by 10% instead.


 40.9357, 0.2255,
0.3319


 40.9357, 0.2255,
0.3319


350.0518, 0.2688,
0.3317

 28.2688, 0.2149,
0.3315


 76.5863, 0.2411,
0.3321

 18.5284, 0.2014,
0.3308


 100.3388, 0.2470,
0.3321

 11.3300, 0.1839,
0.3293


 128.5553, 0.2520,
0.3321

 6.2893, 0.1602,
0.3264

 161.6202, 0.2563,
0.3320

 3.0218, 0.1270,
0.3199

 199.9179, 0.2601,
0.3320

 1.1431, 0.0298,
0.3204

243.8328, 0.2633,

 0.0145, 0.0000,

0.3319

0.0192

293.7493, 0.2662,
0.3318

■ 0.0000, 0.0000,
0.0000

■ 40.9357, 0.2255,
0.3319

■ 40.9357, 0.2255,
0.3319

■ 40.9404, 0.2255,
0.3319

■ 41.0885, 0.2269,
0.3316

■ 41.3736, 0.2295,
0.3313

■ 41.8452, 0.2340,
0.3309

■ 42.5282, 0.2404,
0.3306

■ 43.4438, 0.2486,
0.3303

■ 44.6107, 0.2587,
0.3300

■ 46.0455, 0.2704,
0.3297

■ 47.7635, 0.2835,
0.3295

■ 49.7790, 0.2977,
0.3292

Harmonies

Analogous

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



40.9357, 0.2666, 0.3921



40.9357, 0.2255, 0.3319



40.9357, 0.2075, 0.2782

Triad

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



40.9357, 0.2255, 0.3319



40.9357, 0.2938, 0.2474



40.9357, 0.4192, 0.4051

Complementary

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



40.9357, 0.2255, 0.3319



11.0819, 0.6390, 0.3294

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.



40.9357, 0.4307, 0.3620



40.9357, 0.2255, 0.3319



40.9357, 0.3544, 0.2758

Square

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



40.9357, 0.2255, 0.3319



40.9357, 0.2438, 0.2361



40.9357, 0.4066, 0.3163



40.9357, 0.3786, 0.4337

Rectangle

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



40.9357, 0.2255, 0.3319



40.9357, 0.2091, 0.2539



40.9357, 0.4066, 0.3163



40.9357, 0.4268, 0.3916

Sweetspot

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



40.9404, 0.2255, 0.3319



82.3259, 0.2698, 0.3297



37.2860, 0.3003, 0.5997



17.8261, 0.2646, 0.3298



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.



40.9404, 0.2255, 0.3319



73.3144, 0.2255, 0.3320



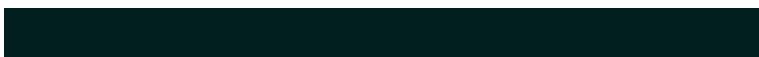
12.6266, 0.1786, 0.1630



10.8078, 0.2986, 0.3292



26.9035, 0.2255, 0.3319



1.0544, 0.2253, 0.3311

Inverse Universe

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



11.0819, 0.6390, 0.3294



19.8435, 0.6393, 0.3295



18.7876, 0.5459, 0.4047



9.5379, 0.3287, 0.3288



7.2829, 0.6387, 0.3292



0.2858, 0.6336, 0.3264

Previews

White Background



This preview shows how the Yxy color 40.9357, 0.2255, 0.3319 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 40.9357, 0.2255, 0.3319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

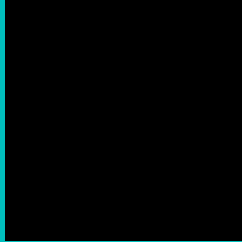
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

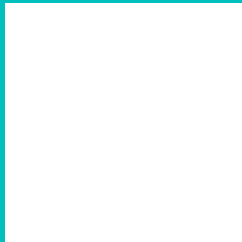
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9357, 0.2255, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 40.9357, 0.2255, 0.3319.

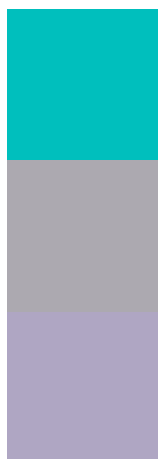


This preview shows how white text looks on a background with the Yxy color 40.9357, 0.2255, 0.3319.

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

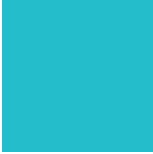
40.9357, 0.2255, 0.3319

Protanopia

40.2812, 0.3096, 0.3194

Deuteranopia

40.3265, 0.2967, 0.2907



Tritanopia

41.1299, 0.2218, 0.3059

Trichromacy



Original Color

40.9357, 0.2255, 0.3319



Protanomaly

38.0317, 0.2577, 0.3227



Deuteranomaly

37.8897, 0.2511, 0.3019



Tritanomaly

41.1326, 0.2225, 0.3148

Monochromacy



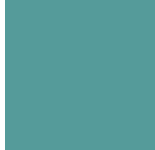
Original Color

40.9357, 0.2255, 0.3319



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.7071, 0.2542, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9357, 0.2255, 0.3319 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 189) }
```

Border

The CSS property to change the border of an element to Yxy 40.9357, 0.2255, 0.3319 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, 189) }
```

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

```
.border{ border-color:rgb(0, 191, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9357, 0.2255, 0.3319 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, 189) }
```

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

```
.background{ background-color: rgb(0, 191,  
189) }
```

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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