

Converting Colors

$Y_{xy}(39.6683, 0.2274, 0.3386)$

Have a look what the booklet for
Yxy(39.6683, 0.2274, 0.3386)
contains.

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Color

Yxy(39.8141, 0.2274, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	00BDB7
RGB	0, 189, 183
RGB Percent	0%, 74%, 72%
CMY	0.9981, 0.2588, 0.2825
CMYK	1.00, 0.00, 0.03, 0.26
HSL	178°, 99%, 37%
HSV	178°, 100%, 74%
XYZ	26.7466, 39.8141, 51.0585
YIQ	131.8050, -110.7180, -41.9340

Conversions

Conversions Part 2

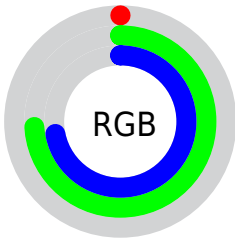
Format	Color
RYB	0, 96, 189
Decimal	48567
CIELab	69.34, -40.18, -8.25
CIELCh	69, 41.017, 191.602
Yxy	39.8141, 0.2274, 0.3385
Android (android.graphics.Color)	4278238647 (0xFF00BDB7)
YUV	131.8050, 25.2391, -115.5930
Hunter-Lab	63.0984, -34.7584, -3.8079

Details

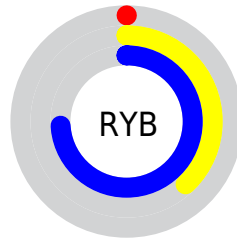
The Yxy color **39.8141, 0.2274, 0.3385** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.8437, 0.6364, 0.3282**, and the grayscale version is **22.9925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9102, 0.2427, 0.3373**, and **18.9397, 0.2277, 0.3398** is the 20% darker color. If you saturate the color by 10%, you get **39.8117, 0.2274, 0.3385**, and if you desaturate by 10%, it is **39.9801, 0.2286, 0.3375**.

Distribution



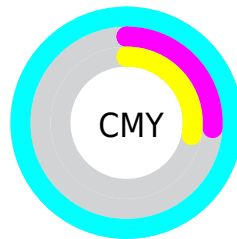
- Red (0%)
- Green (74%)
- Blue (72%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8141, 0.2274, 0.3385 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 39.8141, 0.2274, 0.3385 by changing the saturation by 10% instead.


 39.8141, 0.2274,
0.3385


 39.8141, 0.2274,
0.3385

345.3394, 0.2701,
0.3348


 27.3936, 0.2168,
0.3391


 74.8803, 0.2429,
0.3374


 17.8691, 0.2034,
0.3396


 98.2949, 0.2487,
0.3369

 10.8560, 0.1857,
0.3398


 126.1430, 0.2536,
0.3365

 5.9701, 0.1616,
0.3393

 158.8089, 0.2578,
0.3361

 2.8269, 0.1276,
0.3364

 196.6771, 0.2615,
0.3357

 1.0420, 0.0005,
0.3532

240.1320, 0.2647,

 0.0000, 0.0000,

0.3353

0.0000

289.5580, 0.2676,
0.3350

■ 39.8141, 0.2274,
0.3385

■ 39.8141, 0.2274,
0.3385

■ 39.8117, 0.2274,
0.3385

■ 39.9801, 0.2286,
0.3375

■ 40.2806, 0.2312,
0.3365

■ 40.7640, 0.2356,
0.3354

■ 41.4543, 0.2419,
0.3344

■ 42.3722, 0.2500,
0.3334

■ 43.5357, 0.2600,
0.3324

■ 44.9611, 0.2715,
0.3314

■ 46.6632, 0.2844,
0.3306

■ 48.6558, 0.2984,
0.3297

Harmonies

Analogous

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



39.8141, 0.2712, 0.3991



39.8141, 0.2274, 0.3385



39.8141, 0.2065, 0.2821

Triad

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



39.8141, 0.2274, 0.3385



39.8141, 0.2873, 0.2440



39.8141, 0.4239, 0.4020

Complementary

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



39.8141, 0.2274, 0.3385



10.8437, 0.6364, 0.3282

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.



39.8141, 0.4320, 0.3574



39.8141, 0.2274, 0.3385



39.8141, 0.3485, 0.2712

Square

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



39.8141, 0.2274, 0.3385



39.8141, 0.2383, 0.2346



39.8141, 0.4037, 0.3112



39.8141, 0.3850, 0.4336

Rectangle

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



39.8141, 0.2274, 0.3385



39.8141, 0.2065, 0.2558



39.8141, 0.4037, 0.3112



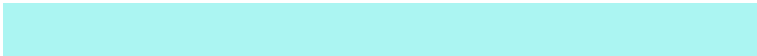
39.8141, 0.4305, 0.3879

Sweetspot

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



39.8156, 0.2274, 0.3385



80.3203, 0.2706, 0.3315



36.4395, 0.3007, 0.5993



17.0317, 0.2656, 0.3319



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.



39.8156, 0.2274, 0.3385



71.2967, 0.2274, 0.3387



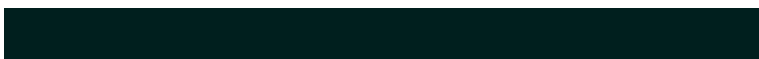
12.9906, 0.1804, 0.1692



10.8041, 0.2989, 0.3297



26.7892, 0.2273, 0.3384



1.0510, 0.2267, 0.3359

Inverse Universe

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



10.8437, 0.6364, 0.3282



19.3937, 0.6377, 0.3287



17.8756, 0.5501, 0.4011



9.5412, 0.3283, 0.3283



7.2903, 0.6360, 0.3277



0.2873, 0.6206, 0.3192

Previews

White Background



This preview shows how the Yxy color 39.8141, 0.2274, 0.3385 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 39.8141, 0.2274, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

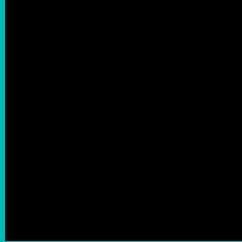
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

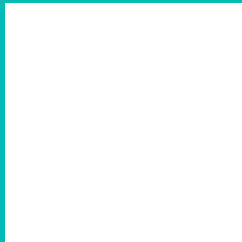
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8141, 0.2274, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 39.8141, 0.2274, 0.3385.

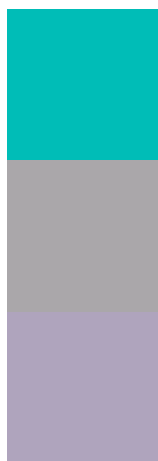


This preview shows how white text looks on a background with the Yxy color 39.8141, 0.2274, 0.3385.

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

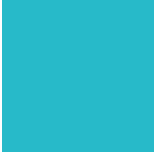
39.8141, 0.2274, 0.3385

Protanopia

39.0858, 0.3129, 0.3248

Deuteranopia

39.3390, 0.3016, 0.2956



Tritanopia

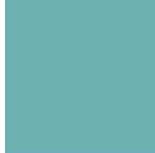
39.7662, 0.2224, 0.3056

Trichromacy



Original Color

39.8141, 0.2274, 0.3385



Protanomaly

36.9432, 0.2604, 0.3288



Deuteranomaly

36.9197, 0.2549, 0.3076



Tritanomaly

39.6424, 0.2237, 0.3177

Monochromacy



Original Color

39.8141, 0.2274, 0.3385



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.9016, 0.2550, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8141, 0.2274, 0.3385 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, 189, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 183)  
}
```

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, 189, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 183) }
```

Border

The CSS property to change the border of an element to Yxy 39.8141, 0.2274, 0.3385 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, 189, 183) }
```

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

```
.border{ border-color:rgb(0, 189, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8141, 0.2274, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 183) }
```

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

```
.background{ background-color: rgb(0, 189,  
183) }
```

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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