

Converting Colors

$Y_{xy}(39.0759, 0.2294, 0.3471)$

Have a look what the booklet for
Yxy(39.0759, 0.2294, 0.3471)
contains.

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Color

Yxy(39.1408, 0.2297, 0.3469)

Conversions

Conversions Part 1

Format	Color
Hex	00BCB1
RGB	0, 188, 177
RGB Percent	0%, 74%, 69%
CMY	0.9999, 0.2627, 0.3060
CMYK	1.00, 0.00, 0.06, 0.26
HSL	176°, 100%, 37%
HSV	176°, 100%, 74%
XYZ	25.9171, 39.1408, 47.7723
YIQ	130.5340, -108.5170, -43.2770

Conversions

Conversions Part 2

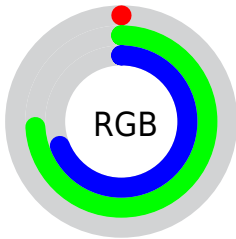
Format	Color
RYB	0, 97, 188
Decimal	48305
CIELab	68.85, -41.52, -5.68
CIELCh	69, 41.903, 187.784
Yxy	39.1408, 0.2297, 0.3469
Android (android.graphics.Color)	4278238385 (0xFF00BCB1)
YUV	130.5340, 22.9077, -114.4783
Hunter-Lab	62.5626, -35.5394, -1.4795

Details

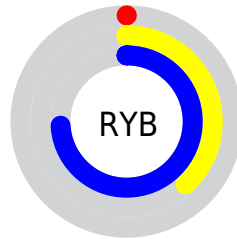
The Yxy color **39.1408, 0.2297, 0.3469** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.7166, 0.6340, 0.3266**, and the grayscale version is **22.4701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8973, 0.2446, 0.3436**, and **18.5309, 0.2303, 0.3490** is the 20% darker color. If you saturate the color by 10%, you get **39.1421, 0.2297, 0.3469**, and if you desaturate by 10%, it is **39.3229, 0.2307, 0.3450**.

Distribution



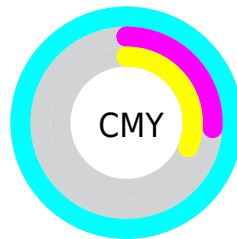
- Red (0%)
- Green (74%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (26%)




- Cyan (100%)
- Magenta (26%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1408, 0.2297, 0.3469 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 39.1408, 0.2297, 0.3469 by changing the saturation by 10% instead.


 39.1408, 0.2297,
0.3469


 39.1408, 0.2297,
0.3469


342.4887, 0.2715,
0.3386


 26.8693, 0.2193,
0.3487


 73.8534, 0.2449,
0.3441


 17.4751, 0.2059,
0.3509


 97.0632, 0.2506,
0.3429


 10.5738, 0.1882,
0.3534


 124.6879, 0.2555,
0.3420

 5.7810, 0.1640,
0.3563

 157.1119, 0.2596,
0.3411

 2.7124, 0.1292,
0.3587

 194.7196, 0.2632,
0.3404

 0.9835, 0.0000,
0.3874

237.8954, 0.2663,

 0.0000, 0.0000,

0.3397

0.0000

287.0236, 0.2691,
0.3391

■ 39.1408, 0.2297,
0.3469

■ 39.1408, 0.2297,
0.3469

■ 39.1421, 0.2297,
0.3469

■ 39.3229, 0.2307,
0.3450

■ 39.6356, 0.2330,
0.3431

■ 40.1285, 0.2372,
0.3411

■ 40.8255, 0.2433,
0.3392

■ 41.7471, 0.2512,
0.3373

■ 42.9111, 0.2609,
0.3354

■ 44.3335, 0.2722,
0.3336

■ 46.0292, 0.2847,
0.3320

■ 48.0117, 0.2984,
0.3304

Harmonies

Analogous

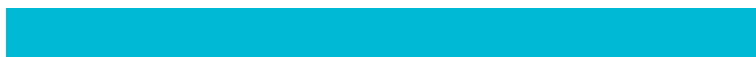
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.1408, 0.2770, 0.4080



39.1408, 0.2297, 0.3469



39.1408, 0.2052, 0.2871

Triad

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



39.1408, 0.2297, 0.3469



39.1408, 0.2792, 0.2396



39.1408, 0.4298, 0.3982

Complementary

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



39.1408, 0.2297, 0.3469



10.7166, 0.6340, 0.3266

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.



39.1408, 0.4336, 0.3517



39.1408, 0.2297, 0.3469



39.1408, 0.3413, 0.2654

Square

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



39.1408, 0.2297, 0.3469



39.1408, 0.2315, 0.2326



39.1408, 0.4002, 0.3049



39.1408, 0.3931, 0.4335

Rectangle

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



39.1408, 0.2297, 0.3469



39.1408, 0.2031, 0.2581



39.1408, 0.4002, 0.3049



39.1408, 0.4352, 0.3833

Sweetspot

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



39.1423, 0.2297, 0.3469



80.2029, 0.2716, 0.3337



36.0509, 0.3014, 0.5989



17.0030, 0.2667, 0.3345



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.



39.1423, 0.2297, 0.3469



70.9219, 0.2298, 0.3472



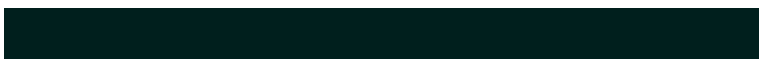
14.0514, 0.1835, 0.1804



10.7996, 0.2993, 0.3303



26.6523, 0.2296, 0.3467



1.0470, 0.2283, 0.3420

Inverse Universe

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



10.7166, 0.6340, 0.3266



19.4092, 0.6356, 0.3275



16.6481, 0.5603, 0.3933



9.5452, 0.3279, 0.3277



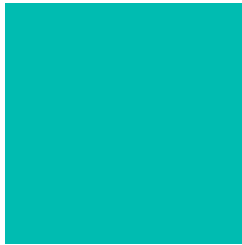
7.2996, 0.6327, 0.3259



0.2891, 0.6055, 0.3109

Previews

White Background



This preview shows how the Yxy color 39.1408, 0.2297, 0.3469 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 39.1408, 0.2297, 0.3469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

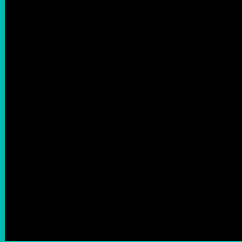
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

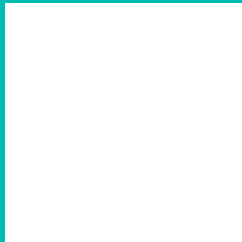
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.1408, 0.2297, 0.3469

Background



This preview shows how black text looks on a background with the Yxy color 39.1408, 0.2297, 0.3469.

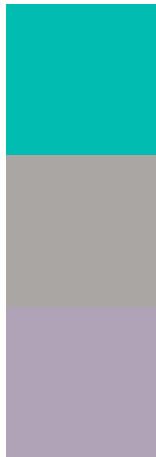


This preview shows how white text looks on a background with the Yxy color 39.1408, 0.2297, 0.3469.

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

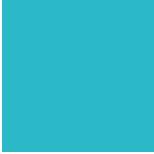
39.1408, 0.2297, 0.3469

Protanopia

38.4988, 0.3182, 0.3318

Deuteranopia

38.4897, 0.3076, 0.3007



Tritanopia

39.3816, 0.2232, 0.3056

Trichromacy



Original Color

39.1408, 0.2297, 0.3469



Protanomaly

36.3248, 0.2641, 0.3368



Deuteranomaly

35.9068, 0.2582, 0.3134



Tritanomaly

39.1566, 0.2244, 0.3192

Monochromacy



Original Color

39.1408, 0.2297, 0.3469



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.4336, 0.2561, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1408, 0.2297, 0.3469 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, 188, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 177)  
}
```

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, 188, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 177) }
```

Border

The CSS property to change the border of an element to Yxy 39.1408, 0.2297, 0.3469 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, 188, 177) }
```

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

```
.border{ border-color:rgb(0, 188, 177) }
```

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

Here you see how a box with a 4 pixel rgb(0, 188, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1408, 0.2297, 0.3469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 177) }
```

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

```
.background{ background-color: rgb(0, 188,  
177) }
```

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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