

Converting Colors

$Y_{xy}(33.7098, 0.1742, 0.3674)$

Have a look what the booklet for
Yxy(33.7098, 0.1742, 0.3674)
contains.

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Color

Yxy(38.3307, 0.2340, 0.3625)

Conversions

Conversions Part 1

Format	Color
Hex	00BBA7
RGB	0, 187, 167
RGB Percent	0%, 73%, 65%
CMY	1.0000, 0.2666, 0.3450
CMYK	1.00, 0.00, 0.11, 0.27
HSL	174°, 100%, 37%
HSV	174°, 100%, 73%
XYZ	24.7431, 38.3307, 42.6660
YIQ	128.8070, -105.0320, -45.8640

Conversions

Conversions Part 2

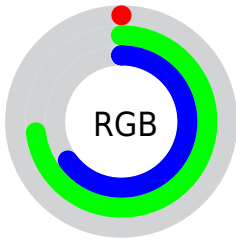
Format	Color
RYB	0, 99, 187
Decimal	48039
CIELab	68.26, -43.95, -1.07
CIELCh	68, 43.960, 181.397
Yxy	38.3307, 0.2340, 0.3625
Android (android.graphics.Color)	4278238119 (0xFF00BBA7)
YUV	128.8070, 18.8291, -112.9637
Hunter-Lab	61.9118, -37.0079, 2.4790

Details

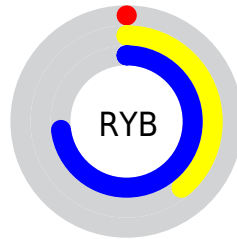
The Yxy color **38.3307, 0.2340, 0.3625** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.6162, 0.6275, 0.3231**, and the grayscale version is **21.8450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6279, 0.2487, 0.3564**, and **18.0129, 0.2363, 0.3707** is the 20% darker color. If you saturate the color by 10%, you get **38.3348, 0.2340, 0.3625**, and if you desaturate by 10%, it is **38.5448, 0.2346, 0.3589**.

Distribution



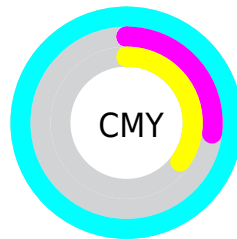
- Red (0%)
- Green (73%)
- Blue (65%)



- Red (0%)
- Yellow (39%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3307, 0.2340, 0.3625 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 38.3307, 0.2340, 0.3625 by changing the saturation by 10% instead.


 38.3307, 0.2340,
0.3625

 38.3307, 0.2340,
0.3625


339.0365, 0.2741,
0.3456


 26.2395, 0.2238,
0.3667

 72.6147, 0.2487,
0.3563


 17.0029, 0.2107,
0.3722

 95.5763, 0.2542,
0.3540


 10.2365, 0.1931,
0.3794


 122.9301, 0.2588,
0.3521

 5.5561, 0.1687,
0.3893

 155.0606, 0.2628,
0.3504

 2.5771, 0.1329,
0.4035

 192.3520, 0.2662,
0.3489

 0.9152, 0.0000,
0.4598

235.1889, 0.2692,

 0.0000, 0.0000,

0.3477

0.0000

283.9556, 0.2718,
0.3466

■ 38.3307, 0.2340,
0.3625

■ 38.3307, 0.2340,
0.3625

■ 38.3348, 0.2340,
0.3625

■ 38.5448, 0.2346,
0.3589

■ 38.8858, 0.2366,
0.3552

■ 39.4055, 0.2405,
0.3516

■ 40.1277, 0.2462,
0.3479

■ 41.0724, 0.2538,
0.3443

■ 42.2573, 0.2631,
0.3409

■ 43.6983, 0.2739,
0.3376

■ 45.4099, 0.2860,
0.3345

■ 47.4056, 0.2990,
0.3316

Harmonies

Analogous

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



38.3307, 0.2876, 0.4238



38.3307, 0.2340, 0.3625



38.3307, 0.2031, 0.2963

Triad

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



38.3307, 0.2340, 0.3625



38.3307, 0.2649, 0.2320



38.3307, 0.4402, 0.3911

Complementary

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



38.3307, 0.2340, 0.3625



10.6162, 0.6275, 0.3231

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.



38.3307, 0.4361, 0.3416



38.3307, 0.2340, 0.3625



38.3307, 0.3282, 0.2551

Square

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



38.3307, 0.2340, 0.3625



38.3307, 0.2197, 0.2291



38.3307, 0.3934, 0.2938



38.3307, 0.4076, 0.4326

Rectangle

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



38.3307, 0.2340, 0.3625



38.3307, 0.1971, 0.2625



38.3307, 0.3934, 0.2938



38.3307, 0.4433, 0.3749

Sweetspot

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



38.3348, 0.2340, 0.3625



78.1204, 0.2734, 0.3377



35.7123, 0.3029, 0.5977



16.9521, 0.2687, 0.3391



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.



38.3348, 0.2340, 0.3625



68.6301, 0.2342, 0.3631



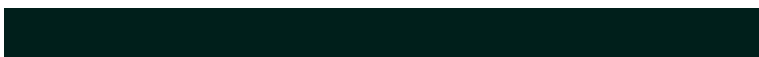
15.9231, 0.1884, 0.1982



10.7915, 0.2999, 0.3314



26.4171, 0.2339, 0.3621



1.0399, 0.2315, 0.3533

Inverse Universe

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



10.6162, 0.6275, 0.3231



18.9956, 0.6297, 0.3243



15.1600, 0.5744, 0.3821



9.5525, 0.3272, 0.3266



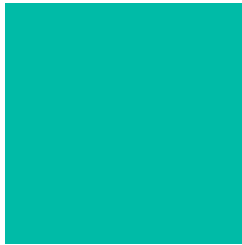
7.3194, 0.6257, 0.3220



0.2923, 0.5806, 0.2972

Previews

White Background



This preview shows how the Yxy color 38.3307, 0.2340, 0.3625 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 38.3307, 0.2340, 0.3625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

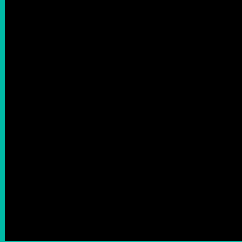
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

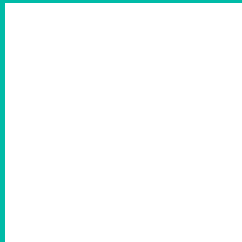
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.3307, 0.2340, 0.3625

Background



This preview shows how black text looks on a background with the Yxy color 38.3307, 0.2340, 0.3625.

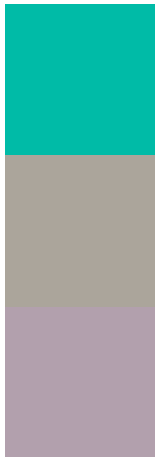


This preview shows how white text looks on a background with the Yxy color 38.3307, 0.2340, 0.3625.

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

38.3307, 0.2340, 0.3625

Protanopia

37.9348, 0.3272, 0.3432

Deuteranopia

37.6237, 0.3183, 0.3113



Tritanopia

38.5266, 0.2249, 0.3069

Trichromacy



Original Color

38.3307, 0.2340, 0.3625



Protanomaly

35.6416, 0.2713, 0.3516



Deuteranomaly

35.2004, 0.2653, 0.3273



Tritanomaly

38.1175, 0.2269, 0.3255

Monochromacy



Original Color

38.3307, 0.2340, 0.3625



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.5897, 0.2585, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3307, 0.2340, 0.3625 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, 187, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 167)  
}
```

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, 187, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 167) }
```

Border

The CSS property to change the border of an element to Yxy 38.3307, 0.2340, 0.3625 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, 187, 167) }
```

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

```
.border{ border-color:rgb(0, 187, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3307, 0.2340, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 167) }
```

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

```
.background{ background-color: rgb(0, 187,  
167) }
```

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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