

Converting Colors

$Y_{xy}(34.0201, 0.1802, 0.3937)$

Have a look what the booklet for
Yxy(34.0201, 0.1802, 0.3937)
contains.

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Color

Yxy(38.3330, 0.2405, 0.3857)

Conversions

Conversions Part 1

Format	Color
Hex	00BC9B
RGB	0, 188, 155
RGB Percent	0%, 74%, 61%
CMY	0.9988, 0.2627, 0.3921
CMYK	1.00, 0.00, 0.18, 0.26
HSL	169°, 100%, 37%
HSV	169°, 100%, 74%
XYZ	23.9022, 38.3330, 37.1503
YIQ	128.0260, -101.4550, -50.1190

Conversions

Conversions Part 2

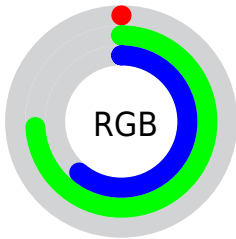
Format	Color
RYB	0, 103, 188
Decimal	48283
CIELab	68.27, -47.61, 5.53
CIELCh	68, 47.933, 173.374
Yxy	38.3330, 0.2405, 0.3857
Android (android.graphics.Color)	4278238363 (0xFF00BC9B)
YUV	128.0260, 13.2982, -112.2788
Hunter-Lab	61.9136, -39.4376, 7.7635

Details

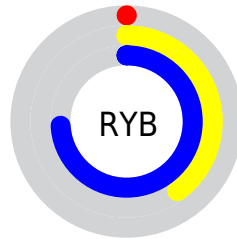
The Yxy color **38.3330, 0.2405, 0.3857** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.8090, 0.6134, 0.3154**, and the grayscale version is **21.6071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5049, 0.2544, 0.3748**, and **18.0497, 0.2446, 0.4005** is the 20% darker color. If you saturate the color by 10%, you get **38.3309, 0.2405, 0.3858**, and if you desaturate by 10%, it is **38.5845, 0.2405, 0.3795**.

Distribution



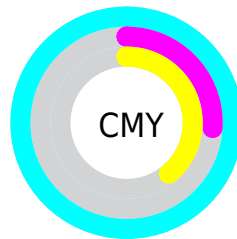
- Red (0%)
- Green (74%)
- Blue (61%)



- Red (0%)
- Yellow (40%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3330, 0.2405, 0.3857 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 38.3330, 0.2405, 0.3857 by changing the saturation by 10% instead.


 38.3330, 0.2405,
0.3857


 38.3330, 0.2405,
0.3857


339.0463, 0.2778,
0.3558


 26.2412, 0.2308,
0.3937


 72.6183, 0.2543,
0.3744


 17.0042, 0.2182,
0.4043


 95.5805, 0.2595,
0.3703


 10.2375, 0.2012,
0.4189


 122.9351, 0.2638,
0.3669

 5.5567, 0.1769,
0.4404

 155.0664, 0.2674,
0.3640

 2.5775, 0.1400,
0.4750

 192.3588, 0.2706,
0.3615

 0.9153, 0.0000,
0.6002

235.1966, 0.2733,

 0.0000, 0.0000,

0.3593

0.0000

283.9643, 0.2757,
0.3574

■ 38.3330, 0.2405,
0.3857

■ 38.3330, 0.2405,
0.3857

■ 38.3309, 0.2405,
0.3858

■ 38.5845, 0.2405,
0.3795

■ 38.9708, 0.2419,
0.3732

■ 39.5404, 0.2453,
0.3669

■ 40.3172, 0.2506,
0.3607

■ 41.3215, 0.2577,
0.3546

■ 42.5713, 0.2665,
0.3487

■ 44.0826, 0.2766,
0.3432

■ 45.8702, 0.2880,
0.3380

■ 47.9475, 0.3001,
0.3333

Harmonies

Analogous

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



38.3330, 0.3028, 0.4457



38.3330, 0.2405, 0.3857



38.3330, 0.2004, 0.3106

Triad

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



38.3330, 0.2405, 0.3857



38.3330, 0.2453, 0.2215



38.3330, 0.4544, 0.3808

Complementary

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



38.3330, 0.2405, 0.3857



10.8090, 0.6134, 0.3154

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.



38.3330, 0.4385, 0.3274



38.3330, 0.2405, 0.3857



38.3330, 0.3096, 0.2408

Square

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



38.3330, 0.2405, 0.3857



38.3330, 0.2037, 0.2244



38.3330, 0.3828, 0.2783



38.3330, 0.4277, 0.4300

Rectangle

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



38.3330, 0.2405, 0.3857



38.3330, 0.1892, 0.2694



38.3330, 0.3828, 0.2783



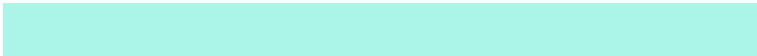
38.3330, 0.4541, 0.3630

Sweetspot

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



38.3345, 0.2405, 0.3857



79.7022, 0.2759, 0.3436



36.3188, 0.3059, 0.5952



16.8813, 0.2715, 0.3459



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.



38.3345, 0.2405, 0.3857



69.4372, 0.2408, 0.3868



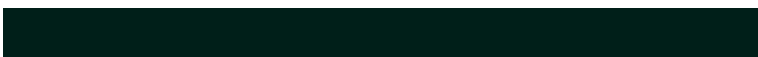
19.2172, 0.1951, 0.2222



10.7800, 0.3008, 0.3331



26.1079, 0.2403, 0.3850



1.0304, 0.2361, 0.3701

Inverse Universe

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



10.8090, 0.6134, 0.3154



19.5512, 0.6169, 0.3172



13.8957, 0.5918, 0.3681



9.5630, 0.3261, 0.3250



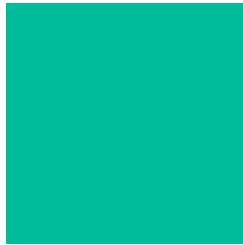
7.3621, 0.6112, 0.3141



0.2969, 0.5493, 0.2800

Previews

White Background



This preview shows how the Yxy color 38.3330, 0.2405, 0.3857 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 38.3330, 0.2405, 0.3857 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 38.3330, 0.2405, 0.3857

Background



This preview shows how black text looks on a background with the Yxy color 38.3330, 0.2405, 0.3857.

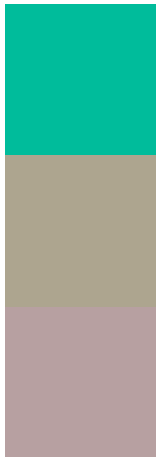


This preview shows how white text looks on a background with the Yxy color 38.3330, 0.2405, 0.3857.

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

38.3330, 0.2405, 0.3857

Protanopia

37.7777, 0.3401, 0.3604

Deuteranopia

37.7821, 0.3342, 0.3277



Tritanopia

38.2993, 0.2263, 0.3054

Trichromacy



Original Color

38.3330, 0.2405, 0.3857



Protanomaly

35.3087, 0.2805, 0.3718



Deuteranomaly

35.0346, 0.2767, 0.3466



Tritanomaly

38.0157, 0.2295, 0.3320

Monochromacy



Original Color

38.3330, 0.2405, 0.3857



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.4415, 0.2622, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3330, 0.2405, 0.3857 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 155) }
```

Border

The CSS property to change the border of an element to Yxy 38.3330, 0.2405, 0.3857 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, 155) }
```

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

```
.border{ border-color:rgb(0, 188, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3330, 0.2405, 0.3857 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, 155) }
```

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

```
.background{ background-color: rgb(0, 188,  
155) }
```

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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