

Converting Colors

$Y_{xy}(38.3232, 0.2402, 0.3884)$

Have a look what the booklet for
Yxy(38.3232, 0.2402, 0.3884)
contains.

| | |
|--|----|
| Yxy(38.2995, 0.2410, 0.3876) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(38.2995, 0.2410, 0.3876)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00BC9A |
| RGB | 0, 188, 154 |
| RGB Percent | 0%, 74%, 60% |
| CMY | 1.0000, 0.2627, 0.3962 |
| CMYK | 1.00, 0.00, 0.18, 0.26 |
| HSL | 169°, 100%, 37% |
| HSV | 169°, 100%, 74% |
| XYZ | 23.8137, 38.2995, 36.6987 |
| YIQ | 127.9120, -101.1340, -50.4300 |

Conversions

Conversions Part 2

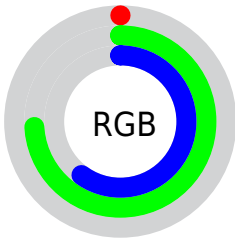
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 103, 188 |
| Decimal | 48282 |
| CIELab | 68.24, -47.90, 6.06 |
| CIELCh | 68, 48.279, 172.792 |
| Yxy | 38.2995, 0.2410, 0.3876 |
| Android (android.graphics.Color) | 4278238362 (0xFF00BC9A) |
| YUV | 127.9120, 12.8614, -112.1788 |
| Hunter-Lab | 61.8866, -39.6156, 8.1616 |

Details

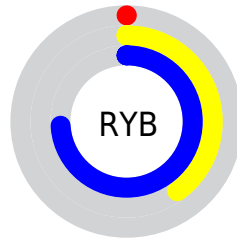
The Yxy color **38.2995, 0.2410, 0.3876** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.8078, 0.6126, 0.3148**, and the grayscale version is **21.5354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4556, 0.2548, 0.3762**, and **18.0295, 0.2453, 0.4030** is the 20% darker color. If you saturate the color by 10%, you get **38.3013, 0.2410, 0.3876**, and if you desaturate by 10%, it is **38.5527, 0.2409, 0.3812**.

Distribution



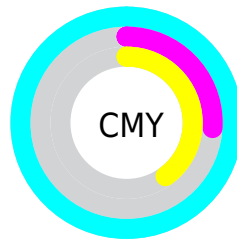
- Red (0%)
- Green (74%)
- Blue (60%)



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



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




- Cyan (100%)
- Magenta (26%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2995, 0.2410, 0.3876 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 38.2995, 0.2410, 0.3876 by changing the saturation by 10% instead.


 38.2995, 0.2410,
0.3876


 38.2995, 0.2410,
0.3876


338.9030, 0.2781,
0.3566

 26.2152, 0.2314,
0.3959


 72.5670, 0.2548,
0.3759


 16.9847, 0.2188,
0.4069


 95.5189, 0.2599,
0.3717


 10.2236, 0.2017,
0.4222


 122.8623, 0.2641,
0.3681

 5.5475, 0.1775,
0.4447

 154.9813, 0.2678,
0.3651

 2.5719, 0.1403,
0.4811

 192.2605, 0.2709,
0.3625

 0.9126, 0.0000,
0.6156

235.0843, 0.2736,

 0.0000, 0.0000,

0.3603

0.0000

283.8370, 0.2760,
0.3583

■ 38.2995, 0.2410,
0.3876

■ 38.2995, 0.2410,
0.3876

■ 38.3013, 0.2410,
0.3876

■ 38.5527, 0.2409,
0.3812

■ 38.9390, 0.2423,
0.3747

■ 39.5084, 0.2456,
0.3682

■ 40.2848, 0.2508,
0.3617

■ 41.2887, 0.2579,
0.3555

■ 42.5380, 0.2665,
0.3494

■ 44.0488, 0.2767,
0.3437

■ 45.8358, 0.2879,
0.3384

■ 47.9127, 0.3000,
0.3335

Harmonies

Analogous

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



38.2995, 0.3040, 0.4475



38.2995, 0.2410, 0.3876



38.2995, 0.2001, 0.3117

Triad

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



38.2995, 0.2410, 0.3876



38.2995, 0.2438, 0.2206



38.2995, 0.4555, 0.3800

Complementary

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



38.2995, 0.2410, 0.3876



10.8078, 0.6126, 0.3148

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.



38.2995, 0.4387, 0.3263



38.2995, 0.2410, 0.3876



38.2995, 0.3082, 0.2397

Square

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



38.2995, 0.2410, 0.3876



38.2995, 0.2024, 0.2240



38.2995, 0.3819, 0.2771



38.2995, 0.4293, 0.4298

Rectangle

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



38.2995, 0.2410, 0.3876



38.2995, 0.1886, 0.2700



38.2995, 0.3819, 0.2771



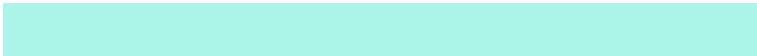
38.2995, 0.4550, 0.3621

Sweetspot

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



38.3013, 0.2410, 0.3876



79.6805, 0.2761, 0.3440



36.3170, 0.3059, 0.5953



16.8760, 0.2717, 0.3464



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.



38.3013, 0.2410, 0.3876



69.3770, 0.2413, 0.3886



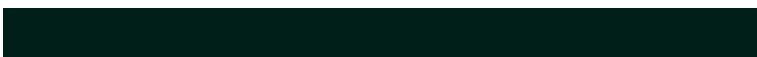
19.1925, 0.1950, 0.2220



10.7791, 0.3008, 0.3332



26.0857, 0.2408, 0.3868



1.0297, 0.2365, 0.3713

Inverse Universe

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



10.8078, 0.6126, 0.3148



19.5607, 0.6157, 0.3166



13.8753, 0.5922, 0.3680



9.5638, 0.3261, 0.3249



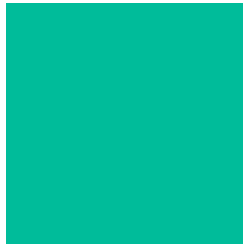
7.3661, 0.6099, 0.3134



0.2973, 0.5471, 0.2788

Previews

White Background



This preview shows how the Yxy color 38.2995, 0.2410, 0.3876 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 38.2995, 0.2410, 0.3876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

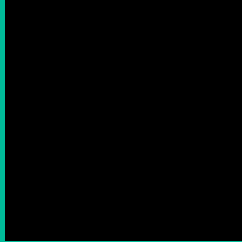
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2995, 0.2410, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 38.2995, 0.2410, 0.3876.



This preview shows how white text looks on a background with the Yxy color 38.2995, 0.2410, 0.3876.

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

38.2995, 0.2410, 0.3876

Protanopia

37.7475, 0.3410, 0.3618

Deuteranopia

37.7470, 0.3351, 0.3291



Tritanopia

38.2993, 0.2263, 0.3054

Trichromacy



Original Color

38.2995, 0.2410, 0.3876



Protanomaly

35.2775, 0.2813, 0.3735



Deuteranomaly

34.9311, 0.2766, 0.3482



Tritanomaly

37.9745, 0.2300, 0.3337

Monochromacy



Original Color

38.2995, 0.2410, 0.3876



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.3682, 0.2622, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2995, 0.2410, 0.3876 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, 154)` looks like.

```
.text, #text, p{  
  color:rgb(0, 188, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 154) }
```

Border

The CSS property to change the border of an element to Yxy 38.2995, 0.2410, 0.3876 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, 154) }
```

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

```
.border{ border-color:rgb(0, 188, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2995, 0.2410, 0.3876 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, 154) }
```

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

```
.background{ background-color: rgb(0, 188,  
154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor