

Converting Colors

$Y_{xy}(33.5140, 0.2199, 0.3117)$

Have a look what the booklet for
Yxy(33.5140, 0.2199, 0.3117)
contains.

Yxy(33.3478, 0.2195, 0.3103)	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(33.3478, 0.2195, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	00ADB8
RGB	0, 173, 184
RGB Percent	0%, 68%, 72%
CMY	1.0000, 0.3215, 0.2785
CMYK	1.00, 0.06, 0.00, 0.28
HSL	184°, 100%, 36%
HSV	184°, 100%, 72%
XYZ	23.5896, 33.3478, 50.5322
YIQ	122.5270, -106.6390, -33.2550

Conversions

Conversions Part 2

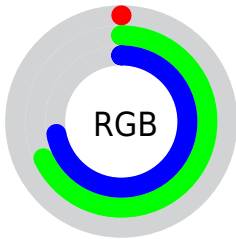
Format	Color
RYB	0, 89, 184
Decimal	44472
CIELab	64.44, -32.51, -16.15
CIELCh	64, 36.305, 206.419
Yxy	33.3478, 0.2195, 0.3103
Android (android.graphics.Color)	4278234552 (0xFF00ADB8)
YUV	122.5270, 30.3062, -107.4562
Hunter-Lab	57.7476, -28.1419, -11.4586

Details

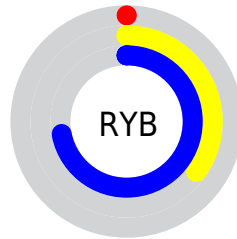
The Yxy color **33.3478, 0.2195, 0.3103** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.4273, 0.6357, 0.3334**, and the grayscale version is **19.5703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9825, 0.2370, 0.3150**, and **15.0716, 0.2176, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **33.3518, 0.2195, 0.3103**, and if you desaturate by 10%, it is **33.9069, 0.2216, 0.3123**.

Distribution



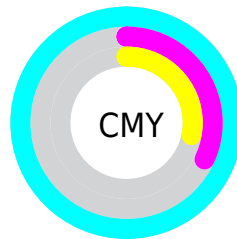
- Red (0%)
- Green (68%)
- Blue (72%)



- Red (0%)
- Yellow (35%)
- Blue (72%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (28%)




- Cyan (100%)
- Magenta (32%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3478, 0.2195, 0.3103 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 33.3478, 0.2195, 0.3103 by changing the saturation by 10% instead.


 33.3478, 0.2195,
0.3103


 33.3478, 0.2195,
0.3103


317.2140, 0.2670,
0.3217

 22.3930, 0.2075,
0.3067


 64.9182, 0.2369,
0.3150


 14.1460, 0.1922,
0.3017


 86.3025, 0.2434,
0.3166

 8.2223, 0.1720,
0.2941


 111.9322, 0.2488,
0.3179

 4.2375, 0.1443,
0.2820

 142.1916, 0.2535,
0.3189

 1.8073, 0.1047,
0.2606

 177.4650, 0.2576,
0.3198

 0.4917, 0.0000,
0.2102

218.1370, 0.2611,

 0.0000, 0.0000,

0.3205

0.0000

264.5919, 0.2642,
0.3212

■ 33.3478, 0.2195,
0.3103

■ 33.3478, 0.2195,
0.3103

■ 33.3518, 0.2195,
0.3103

■ 33.9069, 0.2216,
0.3123

■ 34.5901, 0.2251,
0.3142

■ 35.4479, 0.2304,
0.3162

■ 36.5029, 0.2375,
0.3183

■ 37.7746, 0.2466,
0.3202

■ 39.2799, 0.2573,
0.3222

■ 41.0339, 0.2696,
0.3241

■ 43.0508, 0.2831,
0.3258

■ 45.3433, 0.2976,
0.3275

Harmonies

Analogous

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



33.3478, 0.2510, 0.3678



33.3478, 0.2195, 0.3103



33.3478, 0.2112, 0.2658

Triad

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



33.3478, 0.2195, 0.3103



33.3478, 0.3169, 0.2594



33.3478, 0.4025, 0.4152

Complementary

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



33.3478, 0.2195, 0.3103



10.4273, 0.6357, 0.3334

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.



33.3478, 0.4253, 0.3779



33.3478, 0.2195, 0.3103



33.3478, 0.3741, 0.2921

Square

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



33.3478, 0.2195, 0.3103



33.3478, 0.2633, 0.2417



33.3478, 0.4153, 0.3339



33.3478, 0.3562, 0.4325

Rectangle

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



33.3478, 0.2195, 0.3103



33.3478, 0.2188, 0.2480



33.3478, 0.4153, 0.3339



33.3478, 0.4133, 0.4043

Sweetspot

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



33.3518, 0.2195, 0.3103



74.2276, 0.2689, 0.3240



34.2950, 0.2991, 0.5968



15.7051, 0.2636, 0.3232



93.3107, 0.3127, 0.3290



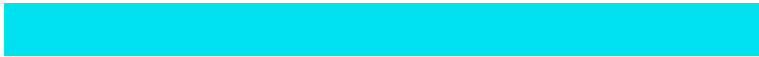
18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.3518, 0.2195, 0.3103



60.3424, 0.2194, 0.3100



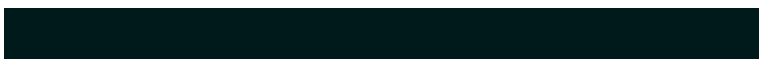
9.6150, 0.1727, 0.1416



10.1164, 0.2985, 0.3276



23.0270, 0.2196, 0.3105



0.8397, 0.2210, 0.3156

Inverse Universe

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



13.2061, 0.3364, 0.1627



23.9311, 0.3367, 0.1629



19.5332, 0.5261, 0.4205



9.1532, 0.3146, 0.3078



9.1069, 0.3362, 0.1626



0.3239, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 33.3478, 0.2195, 0.3103 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 33.3478, 0.2195, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

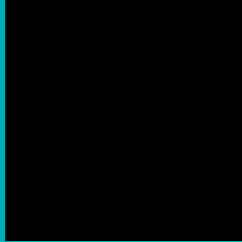
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3478, 0.2195, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 33.3478, 0.2195, 0.3103.



This preview shows how white text looks on a background with the Yxy color 33.3478, 0.2195, 0.3103.

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

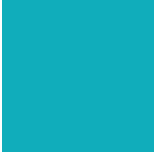
33.3478, 0.2195, 0.3103

Protanopia

32.8621, 0.2957, 0.3024

Deuteranopia

33.0006, 0.2824, 0.2762



Tritanopia

33.5852, 0.2195, 0.3055

Trichromacy



Original Color

33.3478, 0.2195, 0.3103



Protanomaly

31.1657, 0.2491, 0.3043



Deuteranomaly

31.3261, 0.2426, 0.2859



Tritanomaly

33.4968, 0.2194, 0.3071

Monochromacy



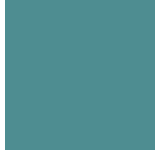
Original Color

33.3478, 0.2195, 0.3103



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.7138, 0.2514, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3478, 0.2195, 0.3103 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, 173, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 184)  
}
```

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, 173, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 184) }
```

Border

The CSS property to change the border of an element to Yxy 33.3478, 0.2195, 0.3103 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, 173, 184) }
```

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

```
.border{ border-color:rgb(0, 173, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3478, 0.2195, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 184) }
```

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

```
.background{ background-color: rgb(0, 173,  
184) }
```

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