

Converting Colors

$Yxy(33.3402, 0.2301, 0.3483)$

Have a look what the booklet for
Yxy(33.3402, 0.2301, 0.3483)
contains.

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Color

Yxy(33.3403, 0.2300, 0.3481)

Conversions

Conversions Part 1

Format	Color
Hex	00AFA4
RGB	0, 175, 164
RGB Percent	0%, 69%, 64%
CMY	1.0000, 0.3137, 0.3568
CMYK	1.00, 0.00, 0.06, 0.31
HSL	176°, 100%, 34%
HSV	176°, 100%, 69%
XYZ	22.0289, 33.3403, 40.4087
YIQ	121.4210, -100.7690, -40.5210

Conversions

Conversions Part 2

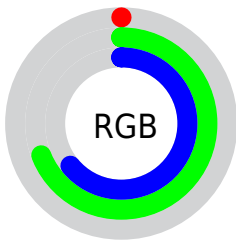
Format	Color
RYB	0, 90, 175
Decimal	44964
CIELab	64.44, -39.58, -5.04
CIELCh	64, 39.895, 187.263
Yxy	33.3403, 0.2300, 0.3481
Android (android.graphics.Color)	4278235044 (0xFF00AFA4)
YUV	121.4210, 20.9914, -106.4862
Hunter-Lab	57.7411, -32.9469, -1.0740

Details

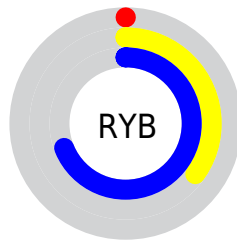
The Yxy color **33.3403, 0.2300, 0.3481** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.1389, 0.6330, 0.3261**, and the grayscale version is **19.2213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7531, 0.2456, 0.3444**, and **15.0889, 0.2315, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **33.3440, 0.2300, 0.3481**, and if you desaturate by 10%, it is **33.5077, 0.2311, 0.3461**.

Distribution



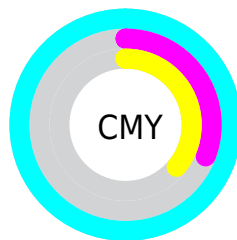
- Red (0%)
- Green (69%)
- Blue (64%)



- Red (0%)
- Yellow (35%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3403, 0.2300, 0.3481 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 33.3403, 0.2300, 0.3481 by changing the saturation by 10% instead.


 33.3403, 0.2300,
0.3481


 33.3403, 0.2300,
0.3481


 317.1804, 0.2728,
0.3389


 22.3873, 0.2189,
0.3502


 64.9065, 0.2459,
0.3449


 14.1417, 0.2045,
0.3528


 86.2884, 0.2517,
0.3436

 8.2193, 0.1851,
0.3559


 111.9154, 0.2566,
0.3425

 4.2356, 0.1578,
0.3595

 142.1718, 0.2608,
0.3416

 1.8062, 0.1117,
0.3650

 177.4422, 0.2645,
0.3408

 0.4910, 0.0000,
0.3563

 218.1108, 0.2676,

 0.0000, 0.0000,

0.3401

0.0000

264.5620, 0.2704,
0.3395

■ 33.3403, 0.2300,
0.3481

■ 33.3403, 0.2300,
0.3481

■ 33.3440, 0.2300,
0.3481

■ 33.5077, 0.2311,
0.3461

■ 33.7814, 0.2335,
0.3440

■ 34.2081, 0.2377,
0.3419

■ 34.8077, 0.2437,
0.3398

■ 35.5973, 0.2517,
0.3378

■ 36.5918, 0.2613,
0.3358

■ 37.8048, 0.2725,
0.3339

■ 39.2484, 0.2850,
0.3322

■ 40.9343, 0.2985,
0.3305

Harmonies

Analogous

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



33.3403, 0.2778, 0.4093



33.3403, 0.2300, 0.3481



33.3403, 0.2050, 0.2878

Triad

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



33.3403, 0.2300, 0.3481



33.3403, 0.2780, 0.2390



33.3403, 0.4307, 0.3976

Complementary

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



33.3403, 0.2300, 0.3481



9.1389, 0.6330, 0.3261

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.



33.3403, 0.4339, 0.3509



33.3403, 0.2300, 0.3481



33.3403, 0.3403, 0.2645

Square

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



33.3403, 0.2300, 0.3481



33.3403, 0.2306, 0.2323



33.3403, 0.3997, 0.3041



33.3403, 0.3943, 0.4335

Rectangle

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



33.3403, 0.2300, 0.3481



33.3403, 0.2026, 0.2584



33.3403, 0.3997, 0.3041



33.3403, 0.4359, 0.3826

Sweetspot

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



33.3440, 0.2300, 0.3481



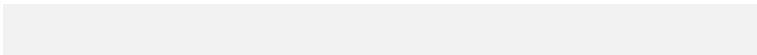
67.5783, 0.2719, 0.3340



30.7385, 0.3015, 0.5988



14.8116, 0.2671, 0.3348



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.3440, 0.2300, 0.3481



59.7003, 0.2301, 0.3484



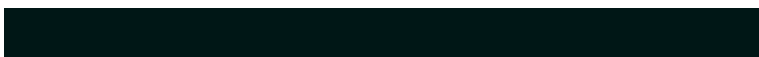
12.0515, 0.1837, 0.1812



9.0633, 0.2995, 0.3304



23.8800, 0.2300, 0.3479



0.6669, 0.2282, 0.3416

Inverse Universe

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



9.1389, 0.6330, 0.3261



16.3551, 0.6348, 0.3271



14.2611, 0.5595, 0.3940



8.0232, 0.3277, 0.3276



6.5475, 0.6317, 0.3253



0.1847, 0.5973, 0.3064

Previews

White Background



This preview shows how the Yxy color 33.3403, 0.2300, 0.3481 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 33.3403, 0.2300, 0.3481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

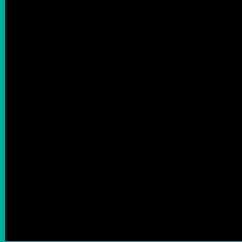
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3403, 0.2300, 0.3481

Background



This preview shows how black text looks on a background with the Yxy color 33.3403, 0.2300, 0.3481.

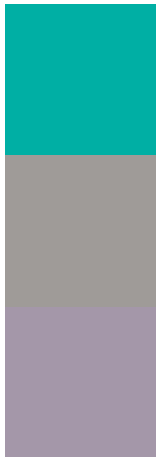


This preview shows how white text looks on a background with the Yxy color 33.3403, 0.2300, 0.3481.

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

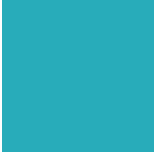
33.3403, 0.2300, 0.3481

Protanopia

33.0806, 0.3195, 0.3335

Deuteranopia

32.8903, 0.3090, 0.3030



Tritanopia

33.5013, 0.2234, 0.3056

Trichromacy



Original Color

33.3403, 0.2300, 0.3481



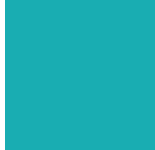
Protanomaly

31.0077, 0.2656, 0.3391



Deuteranomaly

30.8747, 0.2595, 0.3173



Tritanomaly

33.3082, 0.2248, 0.3203

Monochromacy



Original Color

33.3403, 0.2300, 0.3481



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.4337, 0.2567, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3403, 0.2300, 0.3481 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, 175, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 164)  
}
```

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, 175, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 164) }
```

Border

The CSS property to change the border of an element to Yxy 33.3403, 0.2300, 0.3481 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, 175, 164) }
```

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

```
.border{ border-color:rgb(0, 175, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3403, 0.2300, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 164) }
```

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

```
.background{ background-color: rgb(0, 175,  
164) }
```

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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