

Converting Colors

$Y_{xy}(32.2170, 0.2019, 0.3846)$

Have a look what the booklet for
Yxy(32.2170, 0.2019, 0.3846)
contains.

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Color

Yxy(34.8769, 0.2391, 0.3806)

Conversions

Conversions Part 1

Format	Color
Hex	00B497
RGB	0, 180, 151
RGB Percent	0%, 71%, 59%
CMY	0.9982, 0.2941, 0.4079
CMYK	1.00, 0.00, 0.16, 0.29
HSL	170°, 99%, 35%
HSV	170°, 100%, 71%
XYZ	21.9103, 34.8769, 34.8494
YIQ	122.8740, -97.9710, -47.1790

Conversions

Conversions Part 2

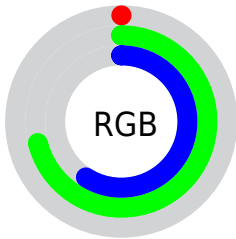
Format	Color
RYB	0, 98, 180
Decimal	46231
CIELab	65.65, -45.37, 3.97
CIElCh	66, 45.548, 174.995
Yxy	34.8769, 0.2391, 0.3806
Android (android.graphics.Color)	4278236311 (0xFF00B497)
YUV	122.8740, 13.8661, -107.7605
Hunter-Lab	59.0567, -37.1248, 6.3526

Details

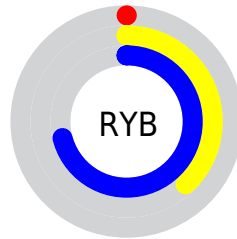
The Yxy color **34.8769, 0.2391, 0.3806** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.8039, 0.6159, 0.3169**, and the grayscale version is **19.7876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4629, 0.2535, 0.3708**, and **15.8418, 0.2428, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **34.8729, 0.2391, 0.3807**, and if you desaturate by 10%, it is **35.1040, 0.2393, 0.3749**.

Distribution



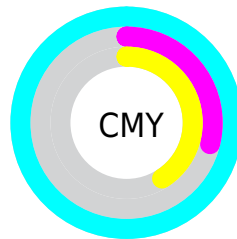
- Red (0%)
- Green (71%)
- Blue (59%)



- Red (0%)
- Yellow (38%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8769, 0.2391, 0.3806 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 34.8769, 0.2391, 0.3806 by changing the saturation by 10% instead.


 34.8769, 0.2391,
0.3806


 34.8769, 0.2391,
0.3806


324.0246, 0.2776,
0.3531

 23.5681, 0.2290,
0.3880


 67.2950, 0.2535,
0.3702


 15.0135, 0.2157,
0.3979


 89.1731, 0.2588,
0.3664


 8.8289, 0.1975,
0.4117


 115.3430, 0.2632,
0.3633

 4.6297, 0.1714,
0.4321

 146.1893, 0.2670,
0.3606

 2.0317, 0.1244,
0.4687

 182.0961, 0.2702,
0.3584

 0.6258, 0.0000,
0.6079

 223.4481, 0.2730,

 0.0000, 0.0000,

0.3564

0.0000

270.6294, 0.2754,
0.3547

■ 34.8769, 0.2391,
0.3806

■ 34.8769, 0.2391,
0.3806

■ 34.8729, 0.2391,
0.3807

■ 35.1040, 0.2393,
0.3749

■ 35.4523, 0.2409,
0.3692

■ 35.9663, 0.2444,
0.3635

■ 36.6674, 0.2499,
0.3578

■ 37.5739, 0.2571,
0.3523

■ 38.7016, 0.2660,
0.3470

■ 40.0651, 0.2763,
0.3419

■ 41.6776, 0.2878,
0.3372

■ 43.5512, 0.3001,
0.3329

Harmonies

Analogous

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



34.8769, 0.2995, 0.4411



34.8769, 0.2391, 0.3806



34.8769, 0.2010, 0.3074

Triad

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



34.8769, 0.2391, 0.3806



34.8769, 0.2495, 0.2237



34.8769, 0.4513, 0.3831

Complementary

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



34.8769, 0.2391, 0.3806



9.8039, 0.6159, 0.3169

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.



34.8769, 0.4381, 0.3304



34.8769, 0.2391, 0.3806



34.8769, 0.3136, 0.2439

Square

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



34.8769, 0.2391, 0.3806



34.8769, 0.2071, 0.2254



34.8769, 0.3851, 0.2816



34.8769, 0.4234, 0.4307

Rectangle

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



34.8769, 0.2391, 0.3806



34.8769, 0.1909, 0.2679



34.8769, 0.3851, 0.2816



34.8769, 0.4518, 0.3656

Sweetspot

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



34.8782, 0.2391, 0.3806



72.4438, 0.2755, 0.3423



32.9241, 0.3052, 0.5957



15.4276, 0.2711, 0.3444



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



34.8782, 0.2391, 0.3806



63.2051, 0.2394, 0.3817



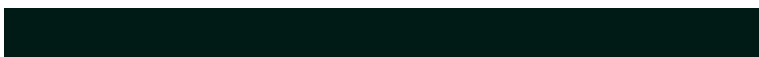
16.7673, 0.1936, 0.2167



9.6075, 0.3007, 0.3327



24.3483, 0.2389, 0.3801



0.7724, 0.2345, 0.3642

Inverse Universe

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



9.8039, 0.6159, 0.3169



17.7335, 0.6196, 0.3187



12.9676, 0.5868, 0.3720



8.5269, 0.3262, 0.3253



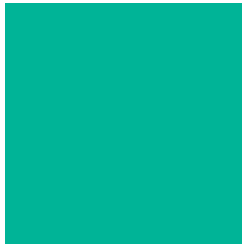
6.8413, 0.6141, 0.3156



0.2221, 0.5475, 0.2790

Previews

White Background



This preview shows how the Yxy color 34.8769, 0.2391, 0.3806 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 34.8769, 0.2391, 0.3806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

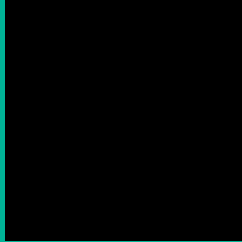
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8769, 0.2391, 0.3806

Background



This preview shows how black text looks on a background with the Yxy color 34.8769, 0.2391, 0.3806.

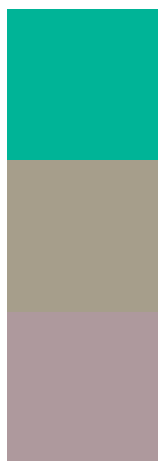


This preview shows how white text looks on a background with the Yxy color 34.8769, 0.2391, 0.3806.

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

34.8769, 0.2391, 0.3806

Protanopia

34.4248, 0.3383, 0.3571

Deuteranopia

34.2155, 0.3301, 0.3234



Tritanopia

35.0379, 0.2261, 0.3061

Trichromacy



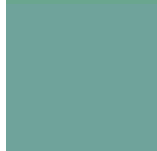
Original Color

34.8769, 0.2391, 0.3806



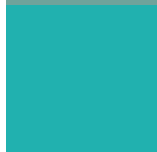
Protanomaly

32.3198, 0.2795, 0.3682



Deuteranomaly

31.9405, 0.2739, 0.3422



Tritanomaly

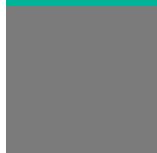
34.8628, 0.2295, 0.3321

Monochromacy



Original Color

34.8769, 0.2391, 0.3806



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

23.2597, 0.2614, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8769, 0.2391, 0.3806 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, 180, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 151)  
}
```

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, 180, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 151) }
```

Border

The CSS property to change the border of an element to Yxy 34.8769, 0.2391, 0.3806 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, 180, 151) }
```

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

```
.border{ border-color:rgb(0, 180, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8769, 0.2391, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 151) }
```

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

```
.background{ background-color: rgb(0, 180,  
151) }
```

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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