

Converting Colors

$Y_{xy}(33.8339, 0.2289, 0.3441)$

Have a look what the booklet for
Yxy(33.8339, 0.2289, 0.3441)
contains.

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Color

Yxy(33.8407, 0.2290, 0.3444)

Conversions

Conversions Part 1

Format	Color
Hex	00B0A7
RGB	0, 176, 167
RGB Percent	0%, 69%, 65%
CMY	1.0000, 0.3098, 0.3450
CMYK	1.00, 0.00, 0.05, 0.31
HSL	177°, 100%, 35%
HSV	177°, 100%, 69%
XYZ	22.5015, 33.8407, 41.9177
YIQ	122.3500, -102.0070, -40.1110

Conversions

Conversions Part 2

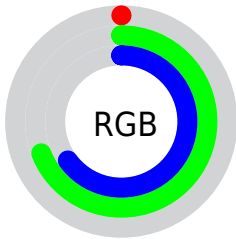
Format	Color
RYB	0, 90, 176
Decimal	45223
CIELab	64.84, -39.12, -6.12
CIELCh	65, 39.596, 188.892
Yxy	33.8407, 0.2290, 0.3444
Android (android.graphics.Color)	4278235303 (0xFF00B0A7)
YUV	122.3500, 22.0125, -107.3010
Hunter-Lab	58.1728, -32.7576, -2.0018

Details

The Yxy color **33.8407, 0.2290, 0.3444** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.2500, 0.6344, 0.3268**, and the grayscale version is **19.5353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5285, 0.2449, 0.3417**, and **15.4037, 0.2301, 0.3482** is the 20% darker color. If you saturate the color by 10%, you get **33.8423, 0.2290, 0.3444**, and if you desaturate by 10%, it is **34.0004, 0.2301, 0.3428**.

Distribution



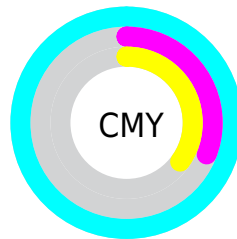
- Red (0%)
- Green (69%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8407, 0.2290, 0.3444 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 33.8407, 0.2290, 0.3444 by changing the saturation by 10% instead.

 33.8407, 0.2290,
0.3444


 33.8407, 0.2290,
0.3444


319.4212, 0.2721,
0.3373

 22.7712, 0.2179,
0.3459


 65.6859, 0.2449,
0.3420


 14.4247, 0.2035,
0.3477


 87.2304, 0.2508,
0.3410


 8.4166, 0.1842,
0.3496


 113.0354, 0.2558,
0.3402

 4.3627, 0.1572,
0.3515

 143.4852, 0.2600,
0.3394

 1.8784, 0.1139,
0.3530

 178.9643, 0.2637,
0.3388

 0.5354, 0.0000,
0.3461

 219.8571, 0.2669,

 0.0000, 0.0000,

0.3382

0.0000

266.5479, 0.2697,
0.3377

■ 33.8407, 0.2290,
0.3444

■ 33.8407, 0.2290,
0.3444

■ 33.8423, 0.2290,
0.3444

■ 34.0004, 0.2301,
0.3428

■ 34.2700, 0.2326,
0.3411

■ 34.6945, 0.2369,
0.3394

■ 35.2940, 0.2430,
0.3377

■ 36.0860, 0.2510,
0.3361

■ 37.0855, 0.2607,
0.3345

■ 38.3062, 0.2720,
0.3330

■ 39.7607, 0.2847,
0.3316

■ 41.4604, 0.2983,
0.3302

Harmonies

Analogous

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



33.8407, 0.2753, 0.4054



33.8407, 0.2290, 0.3444



33.8407, 0.2056, 0.2856

Triad

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



33.8407, 0.2290, 0.3444



33.8407, 0.2815, 0.2409



33.8407, 0.4281, 0.3993

Complementary

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



33.8407, 0.2290, 0.3444



9.2500, 0.6344, 0.3268

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.



33.8407, 0.4332, 0.3534



33.8407, 0.2290, 0.3444



33.8407, 0.3434, 0.2671

Square

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



33.8407, 0.2290, 0.3444



33.8407, 0.2335, 0.2332



33.8407, 0.4013, 0.3068



33.8407, 0.3907, 0.4336

Rectangle

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



33.8407, 0.2290, 0.3444



33.8407, 0.2040, 0.2574



33.8407, 0.4013, 0.3068



33.8407, 0.4338, 0.3846

Sweetspot

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



33.8423, 0.2290, 0.3444



69.3469, 0.2714, 0.3331



31.1276, 0.3015, 0.5988



14.8225, 0.2666, 0.3337



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.



33.8423, 0.2290, 0.3444



61.3671, 0.2291, 0.3447



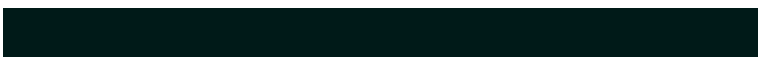
12.1981, 0.1837, 0.1811



9.6239, 0.2993, 0.3301



24.8329, 0.2290, 0.3442



0.7836, 0.2277, 0.3396

Inverse Universe

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



9.2500, 0.6344, 0.3268



16.7662, 0.6360, 0.3277



14.4361, 0.5596, 0.3939



8.5121, 0.3279, 0.3279



6.7894, 0.6334, 0.3263



0.2159, 0.6065, 0.3115

Previews

White Background



This preview shows how the Yxy color 33.8407, 0.2290, 0.3444 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 33.8407, 0.2290, 0.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

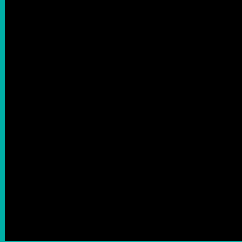
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

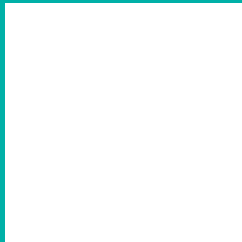
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8407, 0.2290, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 33.8407, 0.2290, 0.3444.

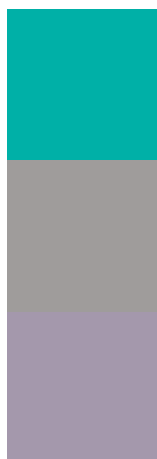


This preview shows how white text looks on a background with the Yxy color 33.8407, 0.2290, 0.3444.

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

33.8407, 0.2290, 0.3444

Protanopia

33.5144, 0.3166, 0.3305

Deuteranopia

33.3275, 0.3062, 0.3003



Tritanopia

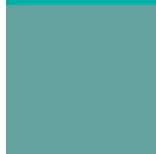
33.9063, 0.2232, 0.3057

Trichromacy



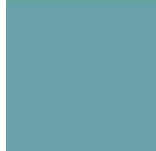
Original Color

33.8407, 0.2290, 0.3444



Protanomaly

31.4643, 0.2637, 0.3356



Deuteranomaly

31.3351, 0.2577, 0.3141



Tritanomaly

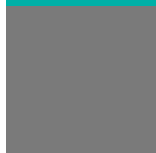
33.7741, 0.2243, 0.3186

Monochromacy



Original Color

33.8407, 0.2290, 0.3444



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.8007, 0.2569, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8407, 0.2290, 0.3444 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, 176, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 167)  
}
```

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, 176, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 167) }
```

Border

The CSS property to change the border of an element to Yxy 33.8407, 0.2290, 0.3444 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, 176, 167) }
```

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

```
.border{ border-color:rgb(0, 176, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8407, 0.2290, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 167) }
```

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

```
.background{ background-color: rgb(0, 176,  
167) }
```

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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