

Converting Colors

$Y_{xy}(32.8221, 0.2325, 0.3730)$

Have a look what the booklet for
Yxy(32.8221, 0.2325, 0.3730)
contains.

Yxy(33.2850, 0.2372, 0.3740)	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(33.2850, 0.2372, 0.3740)

Conversions

Conversions Part 1

Format	Color
Hex	00B097
RGB	0, 176, 151
RGB Percent	0%, 69%, 59%
CMY	1.0000, 0.3098, 0.4077
CMYK	1.00, 0.00, 0.14, 0.31
HSL	171°, 100%, 35%
HSV	171°, 100%, 69%
XYZ	21.1102, 33.2850, 34.6022
YIQ	120.5260, -96.8710, -45.0870

Conversions

Conversions Part 2

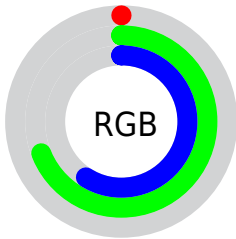
Format	Color
RYB	0, 95, 176
Decimal	45207
CIELab	64.39, -43.71, 2.12
CIELCh	64, 43.766, 177.220
Yxy	33.2850, 0.2372, 0.3740
Android (android.graphics.Color)	4278235287 (0xFF00B097)
YUV	120.5260, 15.0237, -105.7013
Hunter-Lab	57.6932, -35.6491, 4.8253

Details

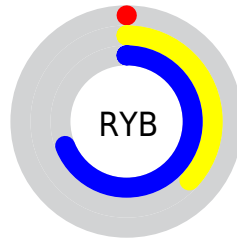
The Yxy color **33.2850, 0.2372, 0.3740** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.3008, 0.6204, 0.3192**, and the grayscale version is **18.9360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5539, 0.2519, 0.3647**, and **14.8392, 0.2403, 0.3851** is the 20% darker color. If you saturate the color by 10%, you get **33.2881, 0.2372, 0.3740**, and if you desaturate by 10%, it is **33.4950, 0.2376, 0.3691**.

Distribution



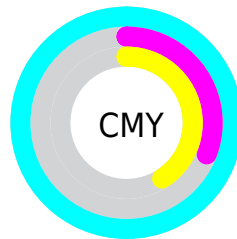
- Red (0%)
- Green (69%)
- Blue (59%)



- Red (0%)
- Yellow (37%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2850, 0.2372, 0.3740 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 33.2850, 0.2372, 0.3740 by changing the saturation by 10% instead.


 33.2850, 0.2372,
0.3740


 33.2850, 0.2372,
0.3740


 316.9320, 0.2768,
0.3501


 22.3449, 0.2267,
0.3804


 64.8202, 0.2520,
0.3650


 14.1105, 0.2130,
0.3889


 86.1841, 0.2575,
0.3617

 8.1976, 0.1941,
0.4008


 111.7914, 0.2620,
0.3590

 4.2216, 0.1669,
0.4181

 142.0264, 0.2659,
0.3567

 1.7983, 0.1125,
0.4524

 177.2736, 0.2692,
0.3547

 0.4861, 0.0000,
0.5607

 217.9173, 0.2721,

 0.0000, 0.0000,

0.3530

0.0000

264.3420, 0.2746,
0.3515

■ 33.2850, 0.2372,
0.3740

■ 33.2850, 0.2372,
0.3740

■ 33.2881, 0.2372,
0.3740

■ 33.4950, 0.2376,
0.3691

■ 33.8148, 0.2394,
0.3641

■ 34.2910, 0.2430,
0.3592

■ 34.9438, 0.2485,
0.3543

■ 35.7906, 0.2559,
0.3494

■ 36.8465, 0.2649,
0.3448

■ 38.1251, 0.2754,
0.3404

■ 39.6391, 0.2870,
0.3363

■ 41.3999, 0.2995,
0.3325

Harmonies

Analogous

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



33.2850, 0.2952, 0.4349



33.2850, 0.2372, 0.3740



33.2850, 0.2017, 0.3033

Triad

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



33.2850, 0.2372, 0.3740



33.2850, 0.2549, 0.2266



33.2850, 0.4474, 0.3860

Complementary

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



33.2850, 0.2372, 0.3740



9.3008, 0.6204, 0.3192

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.



33.2850, 0.4375, 0.3345



33.2850, 0.2372, 0.3740



33.2850, 0.3189, 0.2478

Square

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



33.2850, 0.2372, 0.3740



33.2850, 0.2115, 0.2267



33.2850, 0.3882, 0.2860



33.2850, 0.4177, 0.4315

Rectangle

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



33.2850, 0.2372, 0.3740



33.2850, 0.1931, 0.2659



33.2850, 0.3882, 0.2860



33.2850, 0.4489, 0.3690

Sweetspot

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



33.2881, 0.2372, 0.3740



69.0095, 0.2748, 0.3406



31.2777, 0.3044, 0.5965



14.7400, 0.2704, 0.3424



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.



33.2881, 0.2372, 0.3740



60.3439, 0.2375, 0.3748



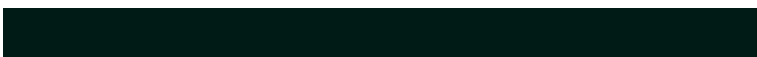
15.2607, 0.1919, 0.2106



9.6104, 0.3004, 0.3322



24.4290, 0.2371, 0.3735



0.7743, 0.2333, 0.3597

Inverse Universe

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



9.3008, 0.6204, 0.3192



16.8478, 0.6234, 0.3208



12.6329, 0.5828, 0.3755



8.5243, 0.3265, 0.3258



6.8291, 0.6185, 0.3181



0.2210, 0.5568, 0.2841

Previews

White Background



This preview shows how the Yxy color 33.2850, 0.2372, 0.3740 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 33.2850, 0.2372, 0.3740 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 33.2850, 0.2372, 0.3740

Background



This preview shows how black text looks on a background with the Yxy color 33.2850, 0.2372, 0.3740.

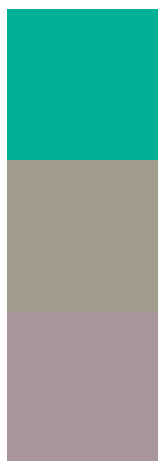


This preview shows how white text looks on a background with the Yxy color 33.2850, 0.2372, 0.3740.

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

33.2850, 0.2372, 0.3740

Protanopia

32.8838, 0.3338, 0.3532

Deuteranopia

32.6820, 0.3255, 0.3189



Tritanopia

33.2816, 0.2258, 0.3056

Trichromacy



Original Color

33.2850, 0.2372, 0.3740



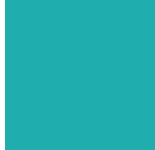
Protanomaly

31.0023, 0.2760, 0.3636



Deuteranomaly

30.3510, 0.2709, 0.3356



Tritanomaly

33.1956, 0.2283, 0.3288

Monochromacy



Original Color

33.2850, 0.2372, 0.3740



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.2935, 0.2605, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2850, 0.2372, 0.3740 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 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, 176, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 151) }
```

Border

The CSS property to change the border of an element to Yxy 33.2850, 0.2372, 0.3740 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, 151) }
```

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

```
.border{ border-color:rgb(0, 176, 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, 176, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2850, 0.2372, 0.3740 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, 151) }
```

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

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