

Converting Colors

$Y_{xy}(32.8597, 0.2279, 0.3731)$

Have a look what the booklet for
Yxy(32.8597, 0.2279, 0.3731)
contains.

Yxy(33.3177, 0.2367, 0.3721)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.3177, 0.2367, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	00B098
RGB	0, 176, 152
RGB Percent	0%, 69%, 60%
CMY	0.9999, 0.3098, 0.4038
CMYK	1.00, 0.00, 0.14, 0.31
HSL	172°, 100%, 35%
HSV	172°, 100%, 69%
XYZ	21.1940, 33.3177, 35.0279
YIQ	120.6400, -97.1920, -44.7760

Conversions

Conversions Part 2

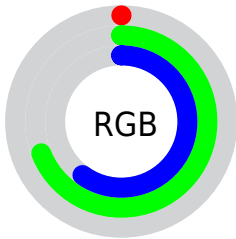
Format	Color
RYB	0, 94, 176
Decimal	45208
CIELab	64.42, -43.43, 1.61
CIELCh	64, 43.457, 177.876
Yxy	33.3177, 0.2367, 0.3721
Android (android.graphics.Color)	4278235288 (0xFF00B098)
YUV	120.6400, 15.4605, -105.8013
Hunter-Lab	57.7215, -35.4714, 4.4253

Details

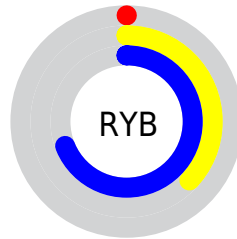
The Yxy color **33.3177, 0.2367, 0.3721** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.2966, 0.6215, 0.3198**, and the grayscale version is **18.9737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6024, 0.2515, 0.3633**, and **14.8587, 0.2396, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **33.3188, 0.2367, 0.3721**, and if you desaturate by 10%, it is **33.5232, 0.2371, 0.3674**.

Distribution



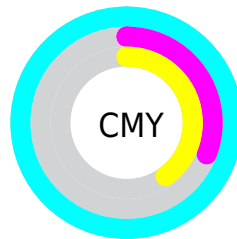
- Red (0%)
- Green (69%)
- Blue (60%)



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



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





- Cyan (100%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3177, 0.2367, 0.3721 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 33.3177, 0.2367, 0.3721 by changing the saturation by 10% instead.


 33.3177, 0.2367,
0.3721


 33.3177, 0.2367,
0.3721


 317.0789, 0.2765,
0.3493

 22.3699, 0.2262,
0.3782


 64.8712, 0.2516,
0.3635


 14.1290, 0.2124,
0.3863


 86.2458, 0.2571,
0.3604

 8.2104, 0.1935,
0.3974

 111.8647, 0.2616,
0.3578

 4.2299, 0.1664,
0.4137

 142.1124, 0.2655,
0.3556

 1.8030, 0.1129,
0.4454

 177.3733, 0.2689,
0.3537

 0.4890, 0.0000,
0.5380

 218.0317, 0.2718,

 0.0000, 0.0000,

0.3520

0.0000

264.4721, 0.2743,
0.3506

■ 33.3177, 0.2367,
0.3721

■ 33.3177, 0.2367,
0.3721

■ 33.3188, 0.2367,
0.3721

■ 33.5232, 0.2371,
0.3674

■ 33.8404, 0.2389,
0.3627

■ 34.3138, 0.2426,
0.3579

■ 34.9638, 0.2482,
0.3532

■ 35.8075, 0.2556,
0.3486

■ 36.8602, 0.2647,
0.3442

■ 38.1356, 0.2752,
0.3399

■ 39.6461, 0.2869,
0.3360

■ 41.4033, 0.2995,
0.3323

Harmonies

Analogous

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



33.3177, 0.2940, 0.4331



33.3177, 0.2367, 0.3721



33.3177, 0.2019, 0.3022

Triad

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



33.3177, 0.2367, 0.3721



33.3177, 0.2565, 0.2275



33.3177, 0.4462, 0.3868

Complementary

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



33.3177, 0.2367, 0.3721



9.2966, 0.6215, 0.3198

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.



33.3177, 0.4372, 0.3356



33.3177, 0.2367, 0.3721



33.3177, 0.3204, 0.2490

Square

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



33.3177, 0.2367, 0.3721



33.3177, 0.2129, 0.2271



33.3177, 0.3890, 0.2872



33.3177, 0.4160, 0.4317

Rectangle

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



33.3177, 0.2367, 0.3721



33.3177, 0.1938, 0.2653



33.3177, 0.3890, 0.2872



33.3177, 0.4480, 0.3699

Sweetspot

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



33.3190, 0.2367, 0.3721



69.0300, 0.2746, 0.3402



31.2763, 0.3044, 0.5965



14.7450, 0.2701, 0.3419



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.



33.3190, 0.2367, 0.3721



60.4034, 0.2369, 0.3729



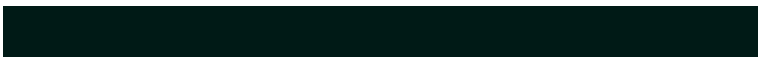
15.2613, 0.1919, 0.2106



9.6112, 0.3003, 0.3321



24.4526, 0.2366, 0.3716



0.7749, 0.2329, 0.3584

Inverse Universe

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



9.2966, 0.6215, 0.3198



16.8408, 0.6244, 0.3214



12.6334, 0.5827, 0.3755



8.5235, 0.3266, 0.3259



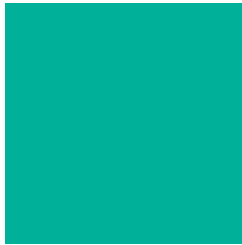
6.8259, 0.6196, 0.3187



0.2207, 0.5596, 0.2856

Previews

White Background



This preview shows how the Yxy color 33.3177, 0.2367, 0.3721 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 33.3177, 0.2367, 0.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

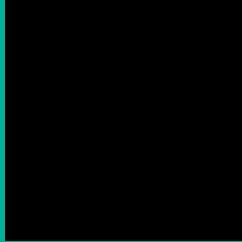
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3177, 0.2367, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 33.3177, 0.2367, 0.3721.

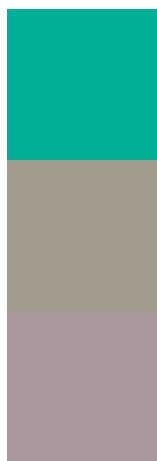


This preview shows how white text looks on a background with the Yxy color 33.3177, 0.2367, 0.3721.

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

33.3177, 0.2367, 0.3721

Protanopia

32.9132, 0.3329, 0.3517

Deuteranopia

32.7163, 0.3245, 0.3175



Tritanopia

33.2570, 0.2255, 0.3056

Trichromacy



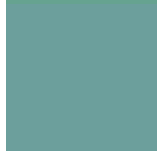
Original Color

33.3177, 0.2367, 0.3721



Protanomaly

31.0328, 0.2753, 0.3618



Deuteranomaly

30.3847, 0.2702, 0.3339



Tritanomaly

33.1956, 0.2283, 0.3288

Monochromacy



Original Color

33.3177, 0.2367, 0.3721



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 33.3177, 0.2367, 0.3721 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 152) }
```

Border

The CSS property to change the border of an element to Yxy 33.3177, 0.2367, 0.3721 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, 152) }
```

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

```
.border{ border-color:rgb(0, 176, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3177, 0.2367, 0.3721 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, 152) }
```

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

```
.background{ background-color: rgb(0, 176,  
152) }
```

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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