

Converting Colors

$Y_{xy}(33.3273, 0.2180, 0.3047)$

Have a look what the booklet for
Yxy(33.3273, 0.2180, 0.3047)
contains.

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Color

Yxy(33.4750, 0.2182, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	00ADBB
RGB	0, 173, 187
RGB Percent	0%, 68%, 73%
CMY	0.9985, 0.3216, 0.2666
CMYK	1.00, 0.07, 0.00, 0.27
HSL	185°, 100%, 37%
HSV	185°, 100%, 73%
XYZ	23.9170, 33.4750, 52.2184
YIQ	122.8690, -107.6020, -32.3220

Conversions

Conversions Part 2

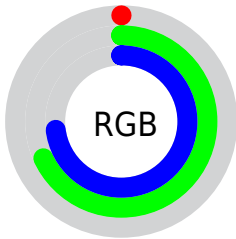
Format	Color
RYB	0, 90, 187
Decimal	44475
CIELab	64.54, -31.51, -17.68
CIELCh	65, 36.128, 209.300
Yxy	33.4750, 0.2182, 0.3054
Android (android.graphics.Color)	4278234555 (0xFF00ADBB)
YUV	122.8690, 31.6166, -107.7561
Hunter-Lab	57.8576, -27.4630, -13.0109

Details

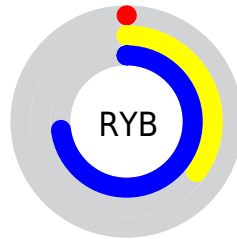
The Yxy color **33.4750, 0.2182, 0.3054** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.8914, 0.6342, 0.3343**, and the grayscale version is **19.7211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1623, 0.2358, 0.3114**, and **15.1542, 0.2158, 0.2967** is the 20% darker color. If you saturate the color by 10%, you get **33.4629, 0.2182, 0.3054**, and if you desaturate by 10%, it is **34.1543, 0.2204, 0.3079**.

Distribution



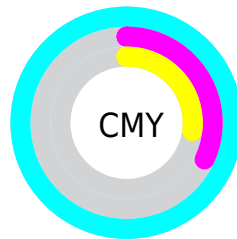
- Red (0%)
- Green (68%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (32%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4750, 0.2182, 0.3054 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 33.4750, 0.2182, 0.3054 by changing the saturation by 10% instead.


 33.4750, 0.2182,
0.3054


 33.4750, 0.2182,
0.3054


317.7847, 0.2662,
0.3194

 22.4906, 0.2062,
0.3011


 65.1164, 0.2357,
0.3110


 14.2178, 0.1907,
0.2952

 86.5422, 0.2423,
0.3130

 8.2723, 0.1704,
0.2865


 112.2172, 0.2478,
0.3146

 4.2697, 0.1428,
0.2728

 142.5259, 0.2526,
0.3159

 1.8255, 0.1039,
0.2493

 177.8525, 0.2567,
0.3170

 0.5030, 0.0000,
0.1980

218.5816, 0.2603,

 0.0000, 0.0000,

0.3179

0.0000

265.0976, 0.2634,
0.3187

■ 33.4750, 0.2182,
0.3054

■ 33.4750, 0.2182,
0.3054

■ 33.4629, 0.2182,
0.3054

■ 34.1543, 0.2204,
0.3079

■ 34.9700, 0.2241,
0.3104

■ 35.9695, 0.2296,
0.3130

■ 37.1764, 0.2370,
0.3155

■ 38.6108, 0.2463,
0.3180

■ 40.2903, 0.2572,
0.3205

■ 42.2308, 0.2696,
0.3228

■ 44.4468, 0.2833,
0.3251

■ 46.9517, 0.2978,
0.3271

Harmonies

Analogous

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



33.4750, 0.2475, 0.3620



33.4750, 0.2182, 0.3054



33.4750, 0.2122, 0.2630

Triad

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



33.4750, 0.2182, 0.3054



33.4750, 0.3224, 0.2623



33.4750, 0.3984, 0.4175

Complementary

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



33.4750, 0.2182, 0.3054



10.8914, 0.6342, 0.3343

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.



33.4750, 0.4238, 0.3817



33.4750, 0.2182, 0.3054



33.4750, 0.3786, 0.2960

Square

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



33.4750, 0.2182, 0.3054



33.4750, 0.2682, 0.2431



33.4750, 0.4171, 0.3382



33.4750, 0.3509, 0.4318

Rectangle

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



33.4750, 0.2182, 0.3054



33.4750, 0.2212, 0.2468



33.4750, 0.4171, 0.3382



33.4750, 0.4099, 0.4072

Sweetspot

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



33.4762, 0.2182, 0.3054



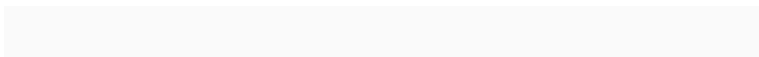
75.3735, 0.2687, 0.3227



35.5751, 0.2988, 0.5957



16.2645, 0.2634, 0.3217



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



33.4762, 0.2182, 0.3054



59.7704, 0.2181, 0.3050



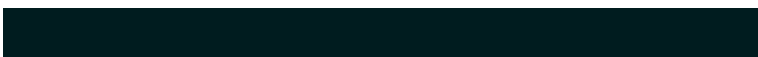
9.5130, 0.1713, 0.1365



10.6836, 0.2985, 0.3272



23.1008, 0.2182, 0.3057



0.9418, 0.2199, 0.3116

Inverse Universe

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



13.5910, 0.3407, 0.1651



24.3067, 0.3411, 0.1653



20.9027, 0.5210, 0.4243



9.6836, 0.3149, 0.3081



9.3617, 0.3405, 0.1649



0.3704, 0.3353, 0.1621

Previews

White Background



This preview shows how the Yxy color 33.4750, 0.2182, 0.3054 looks on a white background.

Color Contrast Check

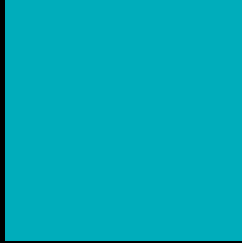
Large Text (above 18pt) WCAG AA × Fail

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 33.4750, 0.2182, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

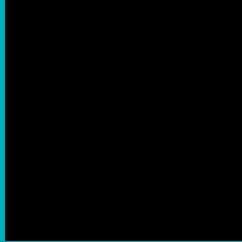
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

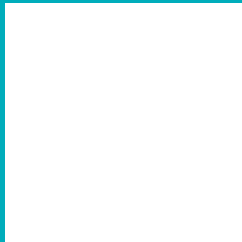
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4750, 0.2182, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 33.4750, 0.2182, 0.3054.



This preview shows how white text looks on a background with the Yxy color 33.4750, 0.2182, 0.3054.

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

33.4750, 0.2182, 0.3054

Protanopia

32.9787, 0.2932, 0.2981

Deuteranopia

32.9376, 0.2783, 0.2720



Tritanopia

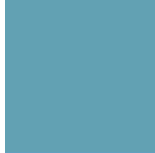
33.4944, 0.2184, 0.3054

Trichromacy



Original Color

33.4750, 0.2182, 0.3054



Protanomaly

31.3411, 0.2478, 0.2997



Deuteranomaly

31.4007, 0.2402, 0.2815



Tritanomaly

33.4879, 0.2183, 0.3054

Monochromacy



Original Color

33.4750, 0.2182, 0.3054



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.7448, 0.2506, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4750, 0.2182, 0.3054 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, 173, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 187)  
}
```

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, 173, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 187) }
```

Border

The CSS property to change the border of an element to Yxy 33.4750, 0.2182, 0.3054 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, 173, 187) }
```

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

```
.border{ border-color:rgb(0, 173, 187) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4750, 0.2182, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 187) }
```

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

```
.background{ background-color: rgb(0, 173,  
187) }
```

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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