

Converting Colors

$Y_{xy}(33.2507, 0.2235, 0.3247)$

Have a look what the booklet for
Yxy(33.2507, 0.2235, 0.3247)
contains.

Yxy(33.4067, 0.2237, 0.3253)	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(33.4067, 0.2237, 0.3253)

Conversions

Conversions Part 1

Format	Color
Hex	00AEB0
RGB	0, 174, 176
RGB Percent	0%, 68%, 69%
CMY	1.0000, 0.3176, 0.3098
CMYK	1.00, 0.01, 0.00, 0.31
HSL	181°, 100%, 35%
HSV	181°, 100%, 69%
XYZ	22.9729, 33.4067, 46.3155
YIQ	122.2020, -104.3460, -36.2660

Conversions

Conversions Part 2

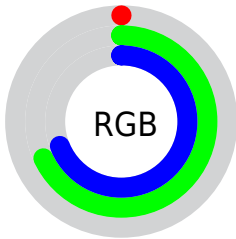
Format	Color
RYB	0, 87, 176
Decimal	44720
CIELab	64.49, -35.48, -11.64
CIELCh	64, 37.340, 198.162
Yxy	33.4067, 0.2237, 0.3253
Android (android.graphics.Color)	4278234800 (0xFF00AEB0)
YUV	122.2020, 26.5224, -107.1712
Hunter-Lab	57.7985, -30.2000, -7.0517

Details

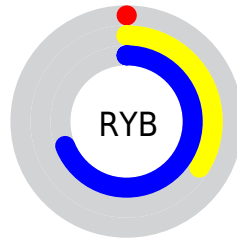
The Yxy color **33.4067, 0.2237, 0.3253** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.2749, 0.6392, 0.3307**, and the grayscale version is **19.4703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0165, 0.2404, 0.3262**, and **15.1300, 0.2227, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **33.4078, 0.2237, 0.3253**, and if you desaturate by 10%, it is **33.6103, 0.2253, 0.3257**.

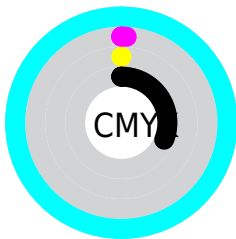
Distribution



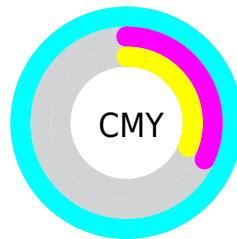
- Red (0%)
- Green (68%)
- Blue (69%)



- Red (0%)
- Yellow (34%)
- Blue (69%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)




- Cyan (100%)
- Magenta (32%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4067, 0.2237, 0.3253 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 33.4067, 0.2237, 0.3253 by changing the saturation by 10% instead.


 33.4067, 0.2237,
0.3253


 33.4067, 0.2237,
0.3253


317.4784, 0.2693,
0.3287

 22.4382, 0.2121,
0.3239


 65.0100, 0.2405,
0.3269


 14.1792, 0.1972,
0.3217


 86.4135, 0.2467,
0.3274

 8.2454, 0.1773,
0.3181


 112.0642, 0.2519,
0.3278

 4.2524, 0.1497,
0.3115

 142.3464, 0.2564,
0.3280

 1.8157, 0.1084,
0.2988

 177.6445, 0.2603,
0.3283

 0.4969, 0.0000,
0.2606

218.3430, 0.2637,

 0.0000, 0.0000,

0.3284

0.0000

264.8261, 0.2666,
0.3285

■ 33.4067, 0.2237,
0.3253

■ 33.4067, 0.2237,
0.3253

■ 33.4078, 0.2237,
0.3253

■ 33.6103, 0.2253,
0.3257

■ 33.9242, 0.2283,
0.3260

■ 34.3928, 0.2330,
0.3264

■ 35.0364, 0.2396,
0.3268

■ 35.8723, 0.2480,
0.3272

■ 36.9157, 0.2583,
0.3276

■ 38.1802, 0.2701,
0.3280

■ 39.6784, 0.2833,
0.3283

■ 41.4217, 0.2976,
0.3287

Harmonies

Analogous

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



33.4067, 0.2619, 0.3848



33.4067, 0.2237, 0.3253



33.4067, 0.2086, 0.2744

Triad

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



33.4067, 0.2237, 0.3253



33.4067, 0.3006, 0.2510



33.4067, 0.4142, 0.4081

Complementary

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



33.4067, 0.2237, 0.3253



9.2749, 0.6392, 0.3307

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.



33.4067, 0.4292, 0.3667



33.4067, 0.2237, 0.3253



33.4067, 0.3603, 0.2807

Square

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



33.4067, 0.2237, 0.3253



33.4067, 0.2496, 0.2378



33.4067, 0.4093, 0.3215



33.4067, 0.3719, 0.4335

Rectangle

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



33.4067, 0.2237, 0.3253



33.4067, 0.2120, 0.2521



33.4067, 0.4093, 0.3215



33.4067, 0.4228, 0.3954

Sweetspot

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



33.4079, 0.2237, 0.3253



69.1070, 0.2694, 0.3279



31.0541, 0.3000, 0.6000



14.7635, 0.2644, 0.3278



89.0005, 0.3127, 0.3290



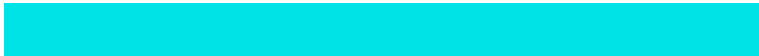
17.0645, 0.3127, 0.3290

Same Dimension

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



33.4079, 0.2237, 0.3253



60.5597, 0.2237, 0.3252



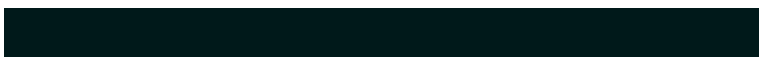
10.1158, 0.1773, 0.1584



9.6146, 0.2986, 0.3287



24.5156, 0.2237, 0.3253



0.7766, 0.2240, 0.3263

Inverse Universe

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



12.2874, 0.3238, 0.1557



22.2800, 0.3238, 0.1557



16.2120, 0.5402, 0.4093



8.6450, 0.3139, 0.3068



9.0150, 0.3237, 0.1557



0.2842, 0.3229, 0.1552

Previews

White Background



This preview shows how the Yxy color 33.4067, 0.2237, 0.3253 looks on a white background.

Color Contrast Check

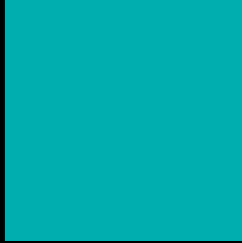
Large Text (above 18pt) WCAG AA × Fail

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 33.4067, 0.2237, 0.3253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

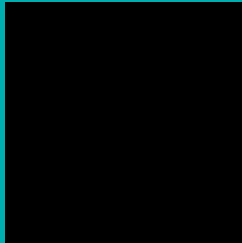
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

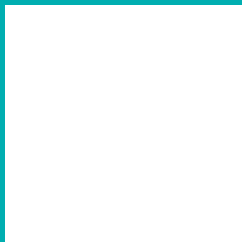
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4067, 0.2237, 0.3253

Background



This preview shows how black text looks on a background with the Yxy color 33.4067, 0.2237, 0.3253.



This preview shows how white text looks on a background with the Yxy color 33.4067, 0.2237, 0.3253.

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

33.4067, 0.2237, 0.3253

Protanopia

32.8595, 0.3056, 0.3141

Deuteranopia

33.0618, 0.2926, 0.2874



Tritanopia

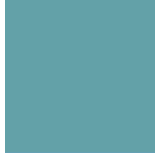
33.3114, 0.2212, 0.3055

Trichromacy



Original Color

33.4067, 0.2237, 0.3253



Protanomaly

30.9695, 0.2556, 0.3172



Deuteranomaly

31.1630, 0.2495, 0.2981



Tritanomaly

33.3931, 0.2220, 0.3136

Monochromacy



Original Color

33.4067, 0.2237, 0.3253



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.6224, 0.2536, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4067, 0.2237, 0.3253 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, 174, 176)` looks like.

```
.text, #text, p{  
  color:rgb(0, 174, 176)  
}
```

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, 174, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 176) }
```

Border

The CSS property to change the border of an element to Yxy 33.4067, 0.2237, 0.3253 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, 174, 176) }
```

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

```
.border{ border-color:rgb(0, 174, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4067, 0.2237, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 176) }
```

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

```
.background{ background-color: rgb(0, 174,  
176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor