

Converting Colors

$Y_{xy}(29.9949, 0.1703, 0.3425)$

Have a look what the booklet for
Yxy(29.9949, 0.1703, 0.3425)
contains.

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Color

Yxy(33.9152, 0.2280, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	00B0A9
RGB	0, 176, 169
RGB Percent	0%, 69%, 66%
CMY	1.0000, 0.3098, 0.3372
CMYK	1.00, 0.00, 0.04, 0.31
HSL	178°, 100%, 35%
HSV	178°, 100%, 69%
XYZ	22.6831, 33.9152, 42.8889
YIQ	122.5780, -102.6490, -39.4890

Conversions

Conversions Part 2

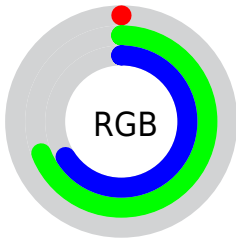
Format	Color
RYB	0, 90, 176
Decimal	45225
CIELab	64.90, -38.55, -7.13
CIELCh	65, 39.201, 190.485
Yxy	33.9152, 0.2280, 0.3409
Android (android.graphics.Color)	4278235305 (0xFF00B0A9)
YUV	122.5780, 22.8860, -107.5009
Hunter-Lab	58.2368, -32.3890, -2.8989

Details

The Yxy color **33.9152, 0.2280, 0.3409** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.2465, 0.6356, 0.3275**, and the grayscale version is **19.6118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6364, 0.2440, 0.3391**, and **15.4503, 0.2287, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **33.9190, 0.2280, 0.3409**, and if you desaturate by 10%, it is **34.0702, 0.2292, 0.3396**.

Distribution



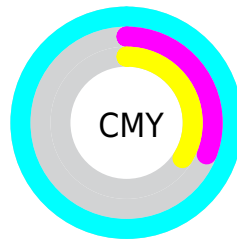
- Red (0%)
- Green (69%)
- Blue (66%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9152, 0.2280, 0.3409 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 33.9152, 0.2280, 0.3409 by changing the saturation by 10% instead.


 33.9152, 0.2280,
0.3409


 33.9152, 0.2280,
0.3409

 319.7538, 0.2716,
0.3357

 22.8285, 0.2168,
0.3419


 65.8018, 0.2441,
0.3392

 14.4669, 0.2024,
0.3429

 87.3704, 0.2500,
0.3385


 8.4461, 0.1830,
0.3438


 113.2018, 0.2551,
0.3379

 4.3817, 0.1559,
0.3440

 143.6803, 0.2593,
0.3374

 1.8893, 0.1136,
0.3426

 179.1904, 0.2630,
0.3369

 0.5419, 0.0000,
0.3312

 220.1164, 0.2662,

 0.0000, 0.0000,

0.3365

0.0000

266.8427, 0.2691,
0.3361

■ 33.9152, 0.2280,
0.3409

■ 33.9152, 0.2280,
0.3409

■ 33.9190, 0.2280,
0.3409

■ 34.0702, 0.2292,
0.3396

■ 34.3328, 0.2318,
0.3383

■ 34.7501, 0.2361,
0.3370

■ 35.3426, 0.2423,
0.3358

■ 36.1273, 0.2504,
0.3345

■ 37.1195, 0.2602,
0.3333

■ 38.3329, 0.2716,
0.3321

■ 39.7799, 0.2844,
0.3310

■ 41.4721, 0.2982,
0.3299

Harmonies

Analogous

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



33.9152, 0.2729, 0.4017



33.9152, 0.2280, 0.3409



33.9152, 0.2061, 0.2835

Triad

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



33.9152, 0.2280, 0.3409



33.9152, 0.2849, 0.2427



33.9152, 0.4257, 0.4009

Complementary

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



33.9152, 0.2280, 0.3409



9.2465, 0.6356, 0.3275

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.



33.9152, 0.4325, 0.3558



33.9152, 0.2280, 0.3409



33.9152, 0.3465, 0.2695

Square

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



33.9152, 0.2280, 0.3409



33.9152, 0.2363, 0.2340



33.9152, 0.4028, 0.3094



33.9152, 0.3874, 0.4337

Rectangle

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



33.9152, 0.2280, 0.3409



33.9152, 0.2054, 0.2564



33.9152, 0.4028, 0.3094



33.9152, 0.4319, 0.3866

Sweetspot

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



33.9190, 0.2280, 0.3409



69.3893, 0.2710, 0.3321



31.1110, 0.3011, 0.5991



14.8329, 0.2662, 0.3326



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.



33.9190, 0.2280, 0.3409



61.5025, 0.2281, 0.3411



11.6484, 0.1821, 0.1753



9.6256, 0.2991, 0.3299



24.8863, 0.2280, 0.3408



0.7848, 0.2270, 0.3372

Inverse Universe

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



9.2465, 0.6356, 0.3275



16.7604, 0.6369, 0.3282



14.8526, 0.5548, 0.3977



8.5106, 0.3281, 0.3281



6.7856, 0.6348, 0.3271



0.2153, 0.6135, 0.3153

Previews

White Background



This preview shows how the Yxy color 33.9152, 0.2280, 0.3409 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 33.9152, 0.2280, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

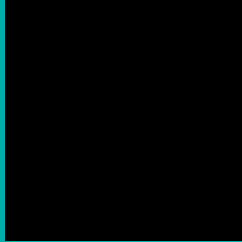
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9152, 0.2280, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 33.9152, 0.2280, 0.3409.

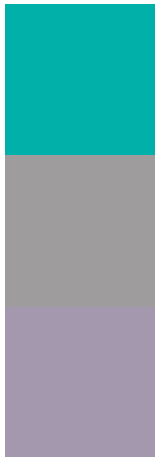


This preview shows how white text looks on a background with the Yxy color 33.9152, 0.2280, 0.3409.

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

33.9152, 0.2280, 0.3409

Protanopia

33.5822, 0.3147, 0.3275

Deuteranopia

33.2990, 0.3035, 0.2974



Tritanopia

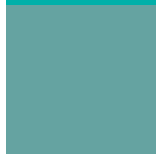
33.8871, 0.2229, 0.3057

Trichromacy



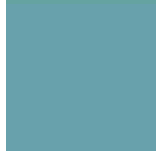
Original Color

33.9152, 0.2280, 0.3409



Protanomaly

31.5343, 0.2623, 0.3322



Deuteranomaly

31.4114, 0.2563, 0.3109



Tritanomaly

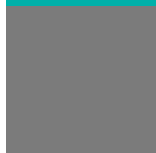
33.7616, 0.2242, 0.3186

Monochromacy



Original Color

33.9152, 0.2280, 0.3409



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.8592, 0.2554, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9152, 0.2280, 0.3409 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 169) }
```

Border

The CSS property to change the border of an element to Yxy 33.9152, 0.2280, 0.3409 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, 169) }
```

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

```
.border{ border-color:rgb(0, 176, 169) }
```

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, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9152, 0.2280, 0.3409 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, 169) }
```

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

```
.background{ background-color: rgb(0, 176,  
169) }
```

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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