

Converting Colors

$Y_{xy}(32.2951, 0.2271, 0.3376)$

Have a look what the booklet for
Yxy(32.2951, 0.2271, 0.3376)
contains.

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Color

Yxy(32.2951, 0.2271, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	00ACA7
RGB	0, 172, 167
RGB Percent	0%, 67%, 65%
CMY	1.0000, 0.3255, 0.3451
CMYK	1.00, 0.00, 0.03, 0.33
HSL	178°, 100%, 34%
HSV	178°, 100%, 67%
XYZ	21.7246, 32.2951, 41.6412
YIQ	120.0020, -100.9070, -38.0190

Conversions

Conversions Part 2

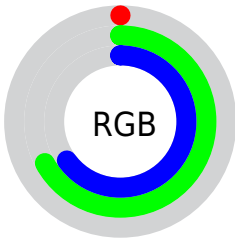
Format	Color
RYB	0, 87, 172
Decimal	44199
CIELab	63.59, -37.33, -7.96
CIELCh	64, 38.173, 192.029
Yxy	32.2951, 0.2271, 0.3376
Android (android.graphics.Color)	4278234279 (0xFF00ACA7)
YUV	120.0020, 23.1700, -105.2418
Hunter-Lab	56.8288, -31.2132, -3.6645

Details

The Yxy color **32.2951, 0.2271, 0.3376** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.7825, 0.6367, 0.3281**, and the grayscale version is **18.7327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2475, 0.2435, 0.3366**, and **14.4315, 0.2274, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **32.2975, 0.2271, 0.3376**, and if you desaturate by 10%, it is **32.4371, 0.2284, 0.3367**.

Distribution



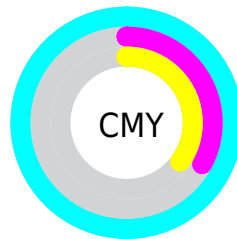
- Red (0%)
- Green (67%)
- Blue (65%)



- Red (0%)
- Yellow (34%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2951, 0.2271, 0.3376 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 32.2951, 0.2271, 0.3376 by changing the saturation by 10% instead.


 32.2951, 0.2271,
0.3376


 32.2951, 0.2271,
0.3376


 312.4613, 0.2714,
0.3342

 21.5870, 0.2156,
0.3381

 63.2734, 0.2435,
0.3366


 13.5538, 0.2008,
0.3384


 84.3124, 0.2496,
0.3362


 7.8110, 0.1807,
0.3383


 109.5639, 0.2547,
0.3358

 3.9742, 0.1526,
0.3368

 139.4122, 0.2590,
0.3354

 1.6592, 0.1043,
0.3340

 174.2416, 0.2628,
0.3350

 0.3970, 0.0000,
0.2865

 214.4367, 0.2660,

 0.0000, 0.0000,

0.3347

0.0000

260.3818, 0.2689,
0.3344

■ 32.2951, 0.2271,
0.3376

■ 32.2951, 0.2271,
0.3376

■ 32.2975, 0.2271,
0.3376

■ 32.4371, 0.2284,
0.3367

■ 32.6817, 0.2311,
0.3357

■ 33.0731, 0.2355,
0.3348

■ 33.6304, 0.2418,
0.3339

■ 34.3699, 0.2499,
0.3330

■ 35.3059, 0.2598,
0.3321

■ 36.4514, 0.2713,
0.3312

■ 37.8181, 0.2841,
0.3304

■ 39.4170, 0.2980,
0.3297

Harmonies

Analogous

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



32.2951, 0.2706, 0.3982



32.2951, 0.2271, 0.3376



32.2951, 0.2066, 0.2816

Triad

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



32.2951, 0.2271, 0.3376



32.2951, 0.2881, 0.2444



32.2951, 0.4233, 0.4025

Complementary

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



32.2951, 0.2271, 0.3376



8.7825, 0.6367, 0.3281

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.



32.2951, 0.4319, 0.3581



32.2951, 0.2271, 0.3376



32.2951, 0.3493, 0.2718

Square

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



32.2951, 0.2271, 0.3376



32.2951, 0.2390, 0.2348



32.2951, 0.4042, 0.3119



32.2951, 0.3842, 0.4337

Rectangle

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



32.2951, 0.2271, 0.3376



32.2951, 0.2068, 0.2555



32.2951, 0.4042, 0.3119



32.2951, 0.4301, 0.3884

Sweetspot

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



32.2975, 0.2271, 0.3376



66.0000, 0.2707, 0.3313



29.5449, 0.3008, 0.5994



14.1510, 0.2658, 0.3316



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.2975, 0.2271, 0.3376



58.5807, 0.2272, 0.3378



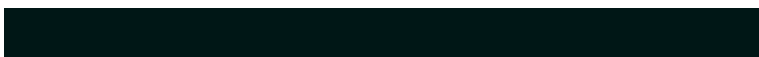
10.5877, 0.1805, 0.1699



9.0680, 0.2990, 0.3296



24.0338, 0.2271, 0.3375



0.6698, 0.2263, 0.3347

Inverse Universe

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



8.7825, 0.6367, 0.3281



15.9256, 0.6377, 0.3286



14.5485, 0.5497, 0.4018



8.0190, 0.3282, 0.3284



6.5364, 0.6361, 0.3278



0.1830, 0.6192, 0.3185

Previews

White Background



This preview shows how the Yxy color 32.2951, 0.2271, 0.3376 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 32.2951, 0.2271, 0.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

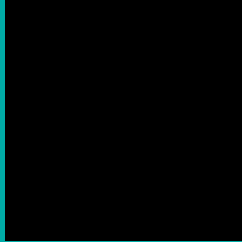
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2951, 0.2271, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 32.2951, 0.2271, 0.3376.

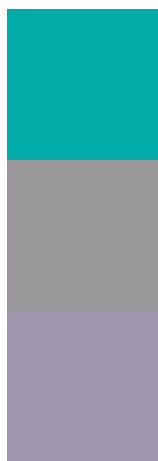


This preview shows how white text looks on a background with the Yxy color 32.2951, 0.2271, 0.3376.

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

32.2951, 0.2271, 0.3376

Protanopia

31.7916, 0.3129, 0.3245

Deuteranopia

31.8444, 0.3014, 0.2954



Tritanopia

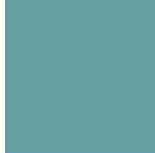
32.5434, 0.2231, 0.3069

Trichromacy



Original Color

32.2951, 0.2271, 0.3376



Protanomaly

29.9521, 0.2613, 0.3288



Deuteranomaly

29.7829, 0.2546, 0.3072



Tritanomaly

32.4823, 0.2241, 0.3185

Monochromacy



Original Color

32.2951, 0.2271, 0.3376



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.8079, 0.2553, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2951, 0.2271, 0.3376 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, 172, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 167)  
}
```

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, 172, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 167) }
```

Border

The CSS property to change the border of an element to Yxy 32.2951, 0.2271, 0.3376 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, 172, 167) }
```

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

```
.border{ border-color:rgb(0, 172, 167) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2951, 0.2271, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 167) }
```

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

```
.background{ background-color: rgb(0, 172,  
167) }
```

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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