

Converting Colors

$Yxy(32.0943, 0.2391, 0.3808)$

Have a look what the booklet for
Yxy(32.0943, 0.2391, 0.3808)
contains.

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Color

Yxy(31.9315, 0.2391, 0.3807)

Conversions

Conversions Part 1

Format	Color
Hex	00AD91
RGB	0, 173, 145
RGB Percent	0%, 68%, 57%
CMY	0.9995, 0.3216, 0.4314
CMYK	1.00, 0.00, 0.16, 0.32
HSL	170°, 100%, 34%
HSV	170°, 100%, 68%
XYZ	20.0547, 31.9315, 31.8896
YIQ	118.0810, -94.1200, -45.3840

Conversions

Conversions Part 2

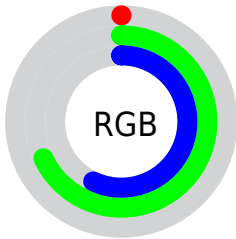
Format	Color
RYB	0, 94, 173
Decimal	44433
CIELab	63.29, -44.09, 3.88
CIELCh	63, 44.256, 174.968
Yxy	31.9315, 0.2391, 0.3807
Android (android.graphics.Color)	4278234513 (0xFF00AD91)
YUV	118.0810, 13.2711, -103.5570
Hunter-Lab	56.5080, -35.5392, 6.0960

Details

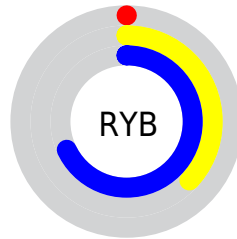
The Yxy color **31.9315, 0.2391, 0.3807** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.9718, 0.6157, 0.3166**, and the grayscale version is **18.1360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5418, 0.2536, 0.3694**, and **14.0199, 0.2422, 0.3921** is the 20% darker color. If you saturate the color by 10%, you get **31.9312, 0.2391, 0.3807**, and if you desaturate by 10%, it is **32.1426, 0.2393, 0.3750**.

Distribution



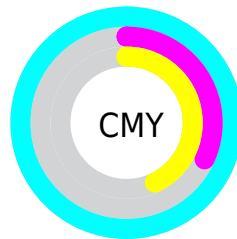
- Red (0%)
- Green (68%)
- Blue (57%)



- Red (0%)
- Yellow (37%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9315, 0.2391, 0.3807 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 31.9315, 0.2391, 0.3807 by changing the saturation by 10% instead.


 31.9315, 0.2391,
0.3807


 31.9315, 0.2391,
0.3807


 310.8071, 0.2782,
0.3528

 21.3092, 0.2286,
0.3884


 62.7037, 0.2538,
0.3700


 13.3502, 0.2147,
0.3987


 83.6223, 0.2592,
0.3662


 7.6701, 0.1955,
0.4133


 108.7419, 0.2637,
0.3630

 3.8846, 0.1675,
0.4354

 138.4468, 0.2675,
0.3603

 1.6092, 0.0972,
0.4863

 173.1213, 0.2707,
0.3580

 0.3638, 0.0000,
0.7447

 213.1500, 0.2735,

 0.0000, 0.0000,

0.3561

0.0000

258.9171, 0.2760,
0.3543

■ 31.9315, 0.2391,
0.3807

■ 31.9315, 0.2391,
0.3807

■ 31.9312, 0.2391,
0.3807

■ 32.1426, 0.2393,
0.3750

■ 32.4618, 0.2410,
0.3693

■ 32.9319, 0.2445,
0.3636

■ 33.5725, 0.2499,
0.3579

■ 34.3999, 0.2571,
0.3524

■ 35.4288, 0.2660,
0.3471

■ 36.6722, 0.2762,
0.3420

■ 38.1422, 0.2877,
0.3373

■ 39.8498, 0.2999,
0.3329

Harmonies

Analogous

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



31.9315, 0.2996, 0.4412



31.9315, 0.2391, 0.3807



31.9315, 0.2009, 0.3075

Triad

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



31.9315, 0.2391, 0.3807



31.9315, 0.2494, 0.2236



31.9315, 0.4514, 0.3830

Complementary

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



31.9315, 0.2391, 0.3807



8.9718, 0.6157, 0.3166

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.



31.9315, 0.4381, 0.3304



31.9315, 0.2391, 0.3807



31.9315, 0.3135, 0.2438

Square

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



31.9315, 0.2391, 0.3807



31.9315, 0.2070, 0.2254



31.9315, 0.3851, 0.2815



31.9315, 0.4235, 0.4307

Rectangle

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



31.9315, 0.2391, 0.3807



31.9315, 0.1909, 0.2679



31.9315, 0.3851, 0.2815



31.9315, 0.4519, 0.3655

Sweetspot

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



31.9327, 0.2391, 0.3807



65.5318, 0.2756, 0.3423



30.1486, 0.3053, 0.5957



14.0363, 0.2713, 0.3443



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.



31.9327, 0.2391, 0.3807



57.1590, 0.2394, 0.3817



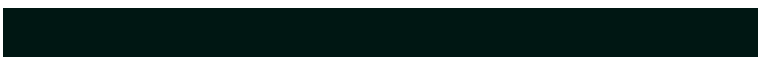
15.3660, 0.1936, 0.2168



9.0495, 0.3007, 0.3327



23.4648, 0.2389, 0.3801



0.6586, 0.2342, 0.3629

Inverse Universe

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



8.9718, 0.6157, 0.3166



16.0409, 0.6191, 0.3184



11.8862, 0.5867, 0.3722



8.0357, 0.3262, 0.3253



6.5943, 0.6137, 0.3154



0.1897, 0.5431, 0.2765

Previews

White Background



This preview shows how the Yxy color 31.9315, 0.2391, 0.3807 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 31.9315, 0.2391, 0.3807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

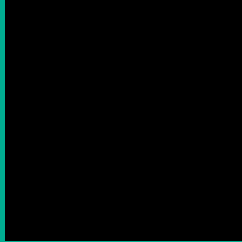
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9315, 0.2391, 0.3807

Background



This preview shows how black text looks on a background with the Yxy color 31.9315, 0.2391, 0.3807.

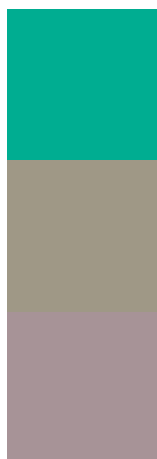


This preview shows how white text looks on a background with the Yxy color 31.9315, 0.2391, 0.3807.

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

31.9315, 0.2391, 0.3807

Protanopia

31.5486, 0.3372, 0.3567

Deuteranopia

31.3173, 0.3297, 0.3232



Tritanopia

32.0356, 0.2260, 0.3053

Trichromacy



Original Color

31.9315, 0.2391, 0.3807



Protanomaly

29.7433, 0.2785, 0.3678



Deuteranomaly

29.0110, 0.2734, 0.3410



Tritanomaly

31.9053, 0.2289, 0.3305

Monochromacy



Original Color

31.9315, 0.2391, 0.3807



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

21.2313, 0.2613, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9315, 0.2391, 0.3807 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 145) }
```

Border

The CSS property to change the border of an element to Yxy 31.9315, 0.2391, 0.3807 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, 145) }
```

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

```
.border{ border-color:rgb(0, 173, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9315, 0.2391, 0.3807 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, 145) }
```

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

```
.background{ background-color: rgb(0, 173,  
145) }
```

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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