

Converting Colors

$Y_{xy}(31.7318, 0.2200, 0.3120)$

Have a look what the booklet for
Yxy(31.7318, 0.2200, 0.3120)
contains.

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Color

Yxy(31.6306, 0.2199, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	00A9B3
RGB	0, 169, 179
RGB Percent	0%, 66%, 70%
CMY	0.9983, 0.3373, 0.2980
CMYK	1.00, 0.06, 0.00, 0.30
HSL	183°, 100%, 35%
HSV	183°, 100%, 70%
XYZ	22.3293, 31.6306, 47.5830
YIQ	119.6090, -103.9340, -32.7180

Conversions

Conversions Part 2

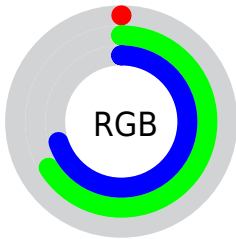
Format	Color
RYB	0, 87, 179
Decimal	43443
CIELab	63.04, -32.16, -15.50
CIELCh	63, 35.697, 205.740
Yxy	31.6306, 0.2199, 0.3115
Android (android.graphics.Color)	4278233523 (0xFF00A9B3)
YUV	119.6090, 29.2798, -104.8971
Hunter-Lab	56.2411, -27.5524, -10.7938

Details

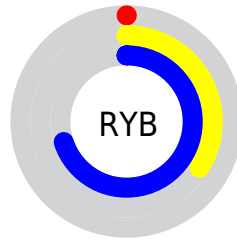
The Yxy color **31.6306, 0.2199, 0.3115** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.8130, 0.6355, 0.3333**, and the grayscale version is **18.6226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3900, 0.2373, 0.3160**, and **13.9971, 0.2180, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **31.6202, 0.2199, 0.3115**, and if you desaturate by 10%, it is **32.1359, 0.2220, 0.3133**.

Distribution



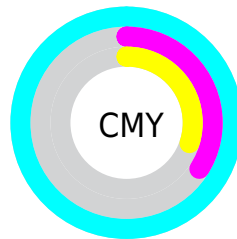
- Red (0%)
- Green (66%)
- Blue (70%)



- Red (0%)
- Yellow (34%)
- Blue (70%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (30%)




- Cyan (100%)
- Magenta (34%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6306, 0.2199, 0.3115 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 31.6306, 0.2199, 0.3115 by changing the saturation by 10% instead.


 31.6306, 0.2199,
0.3115


 31.6306, 0.2199,
0.3115

 309.4331, 0.2676,
0.3224


 21.0795, 0.2077,
0.3080


 62.2315, 0.2375,
0.3160

 13.1821, 0.1921,
0.3031


 83.0502, 0.2440,
0.3175


 7.5541, 0.1712,
0.2955


 108.0601, 0.2495,
0.3187

 3.8110, 0.1425,
0.2832

 137.6457, 0.2542,
0.3197

 1.5684, 0.0979,
0.2618

 172.1914, 0.2582,
0.3206

 0.3361, 0.0000,
0.1796

 212.0816, 0.2617,

 0.0000, 0.0000,

0.3213

0.0000

257.7007, 0.2648,
0.3218

■ 31.6306, 0.2199,
0.3115

■ 31.6306, 0.2199,
0.3115

■ 31.6202, 0.2199,
0.3115

■ 32.1359, 0.2220,
0.3133

■ 32.7613, 0.2255,
0.3152

■ 33.5508, 0.2308,
0.3171

■ 34.5256, 0.2380,
0.3190

■ 35.7036, 0.2470,
0.3208

■ 37.1006, 0.2577,
0.3226

■ 38.7308, 0.2700,
0.3244

■ 40.6072, 0.2835,
0.3260

■ 42.7419, 0.2979,
0.3276

Harmonies

Analogous

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



31.6306, 0.2520, 0.3691



31.6306, 0.2199, 0.3115



31.6306, 0.2111, 0.2665

Triad

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



31.6306, 0.2199, 0.3115



31.6306, 0.3155, 0.2588



31.6306, 0.4034, 0.4146

Complementary

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



31.6306, 0.2199, 0.3115



9.8130, 0.6355, 0.3333

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.



31.6306, 0.4256, 0.3770



31.6306, 0.2199, 0.3115



31.6306, 0.3729, 0.2912

Square

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



31.6306, 0.2199, 0.3115



31.6306, 0.2622, 0.2414



31.6306, 0.4148, 0.3329



31.6306, 0.3575, 0.4325

Rectangle

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



31.6306, 0.2199, 0.3115



31.6306, 0.2183, 0.2484



31.6306, 0.4148, 0.3329



31.6306, 0.4140, 0.4035

Sweetspot

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



31.6318, 0.2199, 0.3115



69.1223, 0.2690, 0.3243



32.2689, 0.2991, 0.5965



15.0359, 0.2638, 0.3235



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



31.6318, 0.2199, 0.3115



56.5084, 0.2198, 0.3112



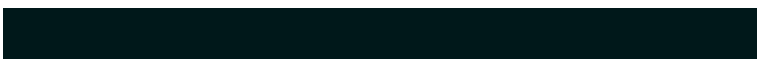
9.1114, 0.1729, 0.1423



9.5482, 0.2986, 0.3277



22.3728, 0.2199, 0.3117



0.7285, 0.2213, 0.3168

Inverse Universe

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



12.4589, 0.3354, 0.1622



22.2803, 0.3357, 0.1623



18.4433, 0.5254, 0.4208



8.6383, 0.3146, 0.3078



8.7987, 0.3353, 0.1621



0.2793, 0.3309, 0.1596

Previews

White Background



This preview shows how the Yxy color 31.6306, 0.2199, 0.3115 looks on a white background.

Color Contrast Check

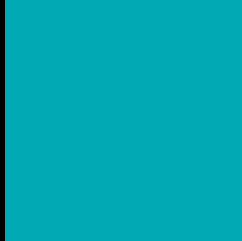
Large Text (above 18pt) WCAG AA × Fail

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 31.6306, 0.2199, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

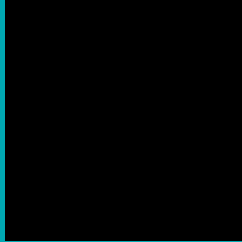
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6306, 0.2199, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 31.6306, 0.2199, 0.3115.

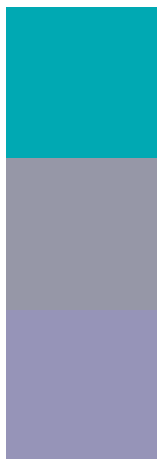


This preview shows how white text looks on a background with the Yxy color 31.6306, 0.2199, 0.3115.

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

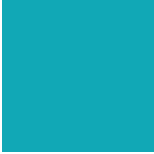
31.6306, 0.2199, 0.3115

Protanopia

31.4073, 0.2972, 0.3048

Deuteranopia

31.1245, 0.2825, 0.2764



Tritanopia

31.5018, 0.2195, 0.3049

Trichromacy



Original Color

31.6306, 0.2199, 0.3115



Protanomaly

29.8808, 0.2508, 0.3071



Deuteranomaly

29.6411, 0.2432, 0.2865



Tritanomaly

31.4126, 0.2194, 0.3065

Monochromacy



Original Color

31.6306, 0.2199, 0.3115



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.6778, 0.2526, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6306, 0.2199, 0.3115 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, 169, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 179)  
}
```

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, 169, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 179) }
```

Border

The CSS property to change the border of an element to Yxy 31.6306, 0.2199, 0.3115 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, 169, 179) }
```

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

```
.border{ border-color:rgb(0, 169, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6306, 0.2199, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 179) }
```

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

```
.background{ background-color: rgb(0, 169,  
179) }
```

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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