

Converting Colors

$Yxy(26.9923, 0.2204, 0.3133)$

Have a look what the booklet for
Yxy(26.9923, 0.2204, 0.3133)
contains.

Yxy(26.8671, 0.2200, 0.3122)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.8671, 0.2200, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	009DA6
RGB	0, 157, 166
RGB Percent	0%, 62%, 65%
CMY	1.0000, 0.3842, 0.3491
CMYK	1.00, 0.05, 0.00, 0.35
HSL	183°, 100%, 33%
HSV	183°, 100%, 65%
XYZ	18.9326, 26.8671, 40.2576
YIQ	111.0830, -96.4610, -30.4850

Conversions

Conversions Part 2

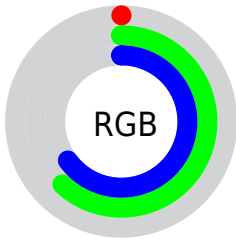
Format	Color
RYB	0, 81, 166
Decimal	40358
CIELab	58.85, -30.63, -14.49
CIELCh	59, 33.883, 205.324
Yxy	26.8671, 0.2200, 0.3122
Android (android.graphics.Color)	4278230438 (0xFF009DA6)
YUV	111.0830, 27.0741, -97.4198
Hunter-Lab	51.8335, -25.5100, -9.7655

Details

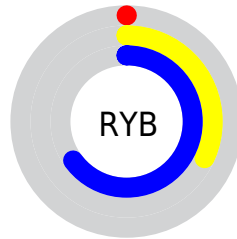
The Yxy color **26.8671, 0.2200, 0.3122** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.3003, 0.6356, 0.3335**, and the grayscale version is **15.8651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6346, 0.2383, 0.3167**, and **11.3181, 0.2181, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **26.8722, 0.2201, 0.3122**, and if you desaturate by 10%, it is **27.2924, 0.2222, 0.3140**.

Distribution



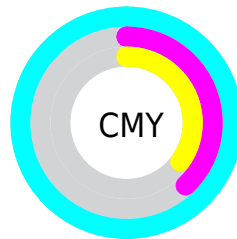
- Red (0%)
- Green (62%)
- Blue (65%)



- Red (0%)
- Yellow (32%)
- Blue (65%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (35%)




- Cyan (100%)
- Magenta (38%)
- Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8671, 0.2200, 0.3122 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 26.8671, 0.2200, 0.3122 by changing the saturation by 10% instead.


 26.8671, 0.2200,
0.3122


 26.8671, 0.2200,
0.3122


 287.0131, 0.2689,
0.3229


 17.4734, 0.2071,
0.3086


 54.6705, 0.2383,
0.3167


 10.5726, 0.1901,
0.3033


 73.8491, 0.2451,
0.3182

 5.7802, 0.1671,
0.2950

 97.0581, 0.2507,
0.3194


 2.7119, 0.1347,
0.2808

 124.6819, 0.2554,
0.3204

 0.9832, 0.0492,
0.2634

 157.1049, 0.2595,
0.3212

 0.0000, 0.0000,
0.0000

 194.7115, 0.2631,

0.3219

237.8861, 0.2662,
0.3224

■ 26.8671, 0.2200,
0.3122

■ 26.8671, 0.2200,
0.3122

■ 26.8722, 0.2201,
0.3122

■ 27.2924, 0.2222,
0.3140

■ 27.8105, 0.2257,
0.3157

■ 28.4660, 0.2310,
0.3175

■ 29.2765, 0.2381,
0.3193

■ 30.2569, 0.2471,
0.3211

■ 31.4202, 0.2577,
0.3229

■ 32.7784, 0.2699,
0.3245

■ 34.3421, 0.2833,
0.3261

■ 36.1215, 0.2977,
0.3276

Harmonies

Analogous

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



26.8671, 0.2524, 0.3700



26.8671, 0.2200, 0.3122



26.8671, 0.2108, 0.2668

Triad

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



26.8671, 0.2200, 0.3122



26.8671, 0.3147, 0.2583



26.8671, 0.4040, 0.4144

Complementary

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



26.8671, 0.2200, 0.3122



8.3003, 0.6356, 0.3335

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.



26.8671, 0.4259, 0.3765



26.8671, 0.2200, 0.3122



26.8671, 0.3723, 0.2906

Square

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



26.8671, 0.2200, 0.3122



26.8671, 0.2615, 0.2411



26.8671, 0.4146, 0.3323



26.8671, 0.3583, 0.4327

Rectangle

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



26.8671, 0.2200, 0.3122



26.8671, 0.2179, 0.2485



26.8671, 0.4146, 0.3323



26.8671, 0.4146, 0.4032

Sweetspot

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



26.8722, 0.2201, 0.3122



59.3529, 0.2692, 0.3245



27.2859, 0.2990, 0.5964



13.0503, 0.2641, 0.3238



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



26.8722, 0.2201, 0.3122



48.6767, 0.2200, 0.3119



7.7435, 0.1730, 0.1429



8.4616, 0.2987, 0.3277



20.8640, 0.2201, 0.3124



0.5278, 0.2217, 0.3182

Inverse Universe

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



10.5405, 0.3348, 0.1618



19.1230, 0.3351, 0.1620



15.6379, 0.5251, 0.4213



7.6595, 0.3145, 0.3079



8.1773, 0.3347, 0.1617



0.2010, 0.3297, 0.1590

Previews

White Background



This preview shows how the Yxy color 26.8671, 0.2200, 0.3122 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8671, 0.2200, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

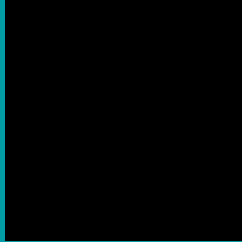
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

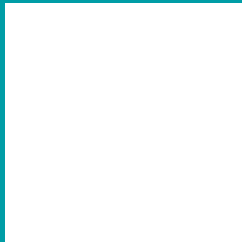
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.8671, 0.2200, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 26.8671, 0.2200, 0.3122.



This preview shows how white text looks on a background with the Yxy color 26.8671, 0.2200, 0.3122.

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

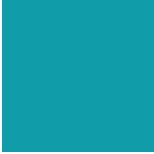
26.8671, 0.2200, 0.3122

Protanopia

26.6117, 0.2970, 0.3047

Deuteranopia

26.6547, 0.2842, 0.2789



Tritanopia

26.7607, 0.2198, 0.3050

Trichromacy



Original Color

26.8671, 0.2200, 0.3122



Protanomaly

25.1357, 0.2499, 0.3055



Deuteranomaly

25.2392, 0.2435, 0.2871



Tritanomaly

26.6752, 0.2196, 0.3068

Monochromacy



Original Color

26.8671, 0.2200, 0.3122



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.4166, 0.2524, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8671, 0.2200, 0.3122 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, 157, 166)` looks like.

```
.text, #text, p{  
  color:rgb(0, 157, 166)  
}
```

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, 157, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 166) }
```

Border

The CSS property to change the border of an element to Yxy 26.8671, 0.2200, 0.3122 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, 157, 166) }
```

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

```
.border{ border-color:rgb(0, 157, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8671, 0.2200, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 166) }
```

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

```
.background{ background-color: rgb(0, 157,  
166) }
```

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