

Converting Colors

$Y_{xy}(24.9440, 0.1856, 0.2759)$

Have a look what the booklet for
Yxy(24.9440, 0.1856, 0.2759)
contains.

Yxy(26.8616, 0.2110, 0.2797)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.8616, 0.2110, 0.2797)

Conversions

Conversions Part 1

Format	Color
Hex	009BB7
RGB	0, 155, 183
RGB Percent	0%, 61%, 72%
CMY	1.0000, 0.3921, 0.2824
CMYK	1.00, 0.15, 0.00, 0.28
HSL	189°, 100%, 36%
HSV	189°, 100%, 72%
XYZ	20.2638, 26.8616, 48.9117
YIQ	111.8470, -101.3680, -24.1520

Conversions

Conversions Part 2

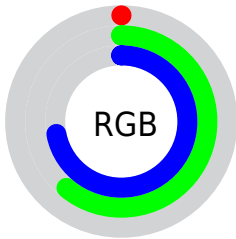
Format	Color
RYB	0, 84, 183
Decimal	39863
CIELab	58.85, -23.91, -24.13
CIELCh	59, 33.972, 225.254
Yxy	26.8616, 0.2110, 0.2797
Android (android.graphics.Color)	4278229943 (0xFF009BB7)
YUV	111.8470, 35.0784, -98.0898
Hunter-Lab	51.8282, -20.9092, -19.6739

Details

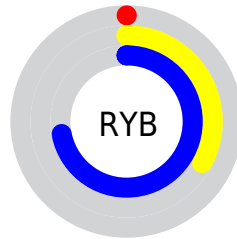
The Yxy color **26.8616, 0.2110, 0.2797** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.8959, 0.6253, 0.3417**, and the grayscale version is **16.0755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8120, 0.2309, 0.2912**, and **11.3122, 0.2064, 0.2629** is the 20% darker color. If you saturate the color by 10%, you get **26.8651, 0.2110, 0.2797**, and if you desaturate by 10%, it is **27.9389, 0.2142, 0.2850**.

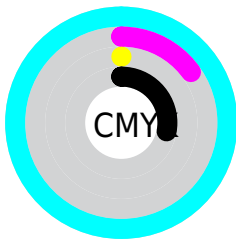
Distribution



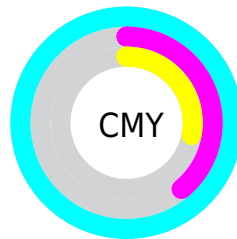
- Red (0%)
- Green (61%)
- Blue (72%)



- Red (0%)
- Yellow (33%)
- Blue (72%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (39%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8616, 0.2110, 0.2797 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 26.8616, 0.2110, 0.2797 by changing the saturation by 10% instead.

■ 26.8616, 0.2110,
0.2797

■ 26.8616, 0.2110,
0.2797

■ 286.9864, 0.2641,
0.3079

■ 17.4693, 0.1973,
0.2715

■ 54.6617, 0.2307,
0.2908

■ 10.5697, 0.1796,
0.2602

■ 73.8383, 0.2380,
0.2947

■ 5.7783, 0.1560,
0.2440

■ 97.0451, 0.2441,
0.2979

■ 2.7107, 0.1238,
0.2192

■ 124.6666, 0.2493,
0.3006

■ 0.9826, 0.0641,
0.1814

■ 157.0870, 0.2537,
0.3028

■ 0.0000, 0.0000,
0.0000

■ 194.6909, 0.2576,

0.3048

237.8625, 0.2610,
0.3064

■ 26.8616, 0.2110,
0.2797

■ 26.8616, 0.2110,
0.2797

■ 26.8651, 0.2110,
0.2797

■ 27.9389, 0.2142,
0.2850

■ 29.1573, 0.2189,
0.2904

■ 30.5666, 0.2254,
0.2958

■ 32.1893, 0.2338,
0.3012

■ 34.0446, 0.2439,
0.3065

■ 36.1494, 0.2557,
0.3116

■ 38.5188, 0.2687,
0.3164

■ 41.1667, 0.2828,
0.3209

■ 44.1060, 0.2975,
0.3252

Harmonies

Analogous

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



26.8616, 0.2282, 0.3311



26.8616, 0.2110, 0.2797



26.8616, 0.2176, 0.2484

Triad

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



26.8616, 0.2110, 0.2797



26.8616, 0.3537, 0.2782



26.8616, 0.3756, 0.4300

Complementary

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



26.8616, 0.2110, 0.2797



10.8959, 0.6253, 0.3417

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.



26.8616, 0.4149, 0.4032



26.8616, 0.2110, 0.2797



26.8616, 0.4036, 0.3176

Square

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



26.8616, 0.2110, 0.2797



26.8616, 0.2955, 0.2504



26.8616, 0.4263, 0.3619



26.8616, 0.3215, 0.4271

Rectangle

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



26.8616, 0.2110, 0.2797



26.8616, 0.2347, 0.2400



26.8616, 0.4263, 0.3619



26.8616, 0.3911, 0.4236

Sweetspot

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



26.8651, 0.2110, 0.2797



68.7712, 0.2681, 0.3162



33.9450, 0.2965, 0.5874



14.7846, 0.2625, 0.3142



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



26.8651, 0.2110, 0.2797



47.8444, 0.2108, 0.2789



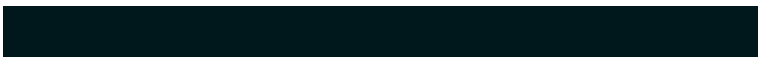
7.0907, 0.1646, 0.1124



9.9703, 0.2985, 0.3254



18.8241, 0.2112, 0.2803



0.7275, 0.2150, 0.2941

Inverse Universe

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



12.4333, 0.3637, 0.1777



22.2421, 0.3645, 0.1782



23.2469, 0.4977, 0.4430



9.1385, 0.3160, 0.3099



8.6826, 0.3631, 0.1774



0.3125, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 26.8616, 0.2110, 0.2797 looks on a white background.

Color Contrast Check

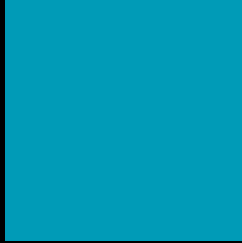
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8616, 0.2110, 0.2797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

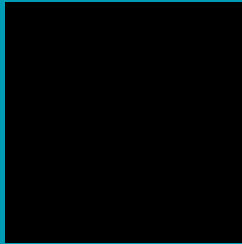
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8616, 0.2110, 0.2797

Background



This preview shows how black text looks on a background with the Yxy color 26.8616, 0.2110, 0.2797.

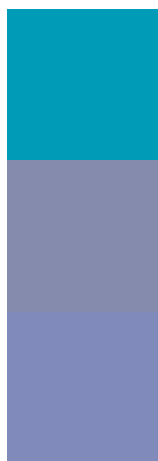


This preview shows how white text looks on a background with the Yxy color 26.8616, 0.2110, 0.2797.

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

26.8616, 0.2110, 0.2797

Protanopia

26.4303, 0.2759, 0.2767

Deuteranopia

26.7202, 0.2603, 0.2552



Tritanopia

26.9785, 0.2186, 0.3068

Trichromacy



Original Color

26.8616, 0.2110, 0.2797

Protanomaly

25.3167, 0.2364, 0.2757

Deuteranomaly

25.5898, 0.2286, 0.2604

Tritanomaly

26.8329, 0.2157, 0.2963

Monochromacy



Original Color

26.8616, 0.2110, 0.2797

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

18.6129, 0.2469, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8616, 0.2110, 0.2797 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, 155, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 183)  
}
```

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, 155, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 183) }
```

Border

The CSS property to change the border of an element to Yxy 26.8616, 0.2110, 0.2797 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, 155, 183) }
```

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

```
.border{ border-color:rgb(0, 155, 183) }
```

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

Here you see how a box with a 4 pixel rgb(0, 155, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8616, 0.2110, 0.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 183) }
```

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

```
.background{ background-color: rgb(0, 155,  
183) }
```

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