

Converting Colors

$Y_{xy}(19.2695, 0.0777, 0.2920)$

Have a look what the booklet for
Yxy(19.2695, 0.0777, 0.2920)
contains.

Yxy(26.3450, 0.2170, 0.3013)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(26.3450, 0.2170, 0.3013)$

Conversions

Conversions Part 1

Format	Color
Hex	009BAA
RGB	0, 155, 170
RGB Percent	0%, 61%, 67%
CMY	1.0000, 0.3921, 0.3333
CMYK	1.00, 0.09, 0.00, 0.33
HSL	185°, 100%, 33%
HSV	185°, 100%, 67%
XYZ	18.9740, 26.3450, 42.1188
YIQ	110.3650, -97.1950, -28.1950

Conversions

Conversions Part 2

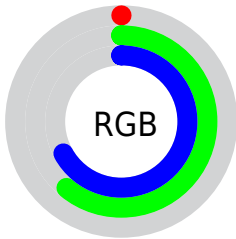
Format	Color
RYB	0, 81, 170
Decimal	39850
CIELab	58.36, -28.31, -17.51
CIELCh	58, 33.289, 211.741
Yxy	26.3450, 0.2170, 0.3013
Android (android.graphics.Color)	4278229930 (0xFF009BAA)
YUV	110.3650, 29.4001, -96.7901
Hunter-Lab	51.3274, -23.8375, -12.7237

Details

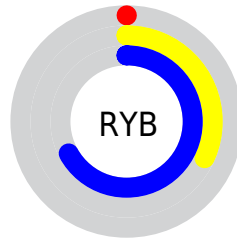
The Yxy color **26.3450, 0.2170, 0.3013** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.8886, 0.6328, 0.3358**, and the grayscale version is **15.6398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9091, 0.2362, 0.3087**, and **11.0085, 0.2139, 0.2900** is the 20% darker color. If you saturate the color by 10%, you get **26.3483, 0.2170, 0.3013**, and if you desaturate by 10%, it is **26.9698, 0.2195, 0.3042**.

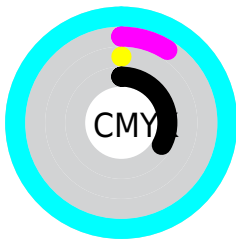
Distribution



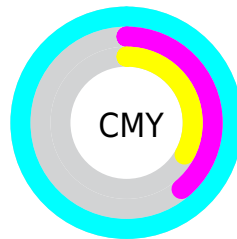
- Red (0%)
- Green (61%)
- Blue (67%)



- Red (0%)
- Yellow (32%)
- Blue (67%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (39%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3450, 0.2170, 0.3013 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 26.3450, 0.2170, 0.3013 by changing the saturation by 10% instead.


 26.3450, 0.2170,
0.3013

 26.3450, 0.2170,
0.3013


284.4716, 0.2675,
0.3180


 17.0819, 0.2037,
0.2960


 53.8310, 0.2359,
0.3082

 10.2929, 0.1863,
0.2885


 72.8227, 0.2428,
0.3105


 5.5936, 0.1629,
0.2771

 95.8261, 0.2486,
0.3124

 2.5996, 0.1299,
0.2583

 123.2255, 0.2535,
0.3139

 0.9265, 0.0474,
0.2325

 155.4053, 0.2578,
0.3152

 0.0000, 0.0000,
0.0000

 192.7500, 0.2614,

0.3163

235.6440, 0.2646,
0.3172

■ 26.3450, 0.2170,
0.3013

■ 26.3450, 0.2170,
0.3013

■ 26.3483, 0.2170,
0.3013

■ 26.9698, 0.2195,
0.3042

■ 27.6994, 0.2234,
0.3072

■ 28.5781, 0.2291,
0.3102

■ 29.6244, 0.2367,
0.3132

■ 30.8543, 0.2461,
0.3162

■ 32.2816, 0.2571,
0.3190

■ 33.9189, 0.2695,
0.3218

■ 35.7778, 0.2831,
0.3244

■ 37.8689, 0.2976,
0.3268

Harmonies

Analogous

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



26.3450, 0.2444, 0.3573



26.3450, 0.2170, 0.3013



26.3450, 0.2129, 0.2606

Triad

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



26.3450, 0.2170, 0.3013



26.3450, 0.3272, 0.2647



26.3450, 0.3950, 0.4195

Complementary

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



26.3450, 0.2170, 0.3013



8.8886, 0.6328, 0.3358

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.



26.3450, 0.4226, 0.3850



26.3450, 0.2170, 0.3013



26.3450, 0.3825, 0.2993

Square

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



26.3450, 0.2170, 0.3013



26.3450, 0.2722, 0.2441



26.3450, 0.4187, 0.3418



26.3450, 0.3464, 0.4314

Rectangle

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



26.3450, 0.2170, 0.3013



26.3450, 0.2232, 0.2456



26.3450, 0.4187, 0.3418



26.3450, 0.4072, 0.4098

Sweetspot

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



26.3483, 0.2170, 0.3013



61.3642, 0.2688, 0.3216



28.7846, 0.2983, 0.5940



13.4045, 0.2636, 0.3205



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.



26.3483, 0.2170, 0.3013



47.6371, 0.2169, 0.3008



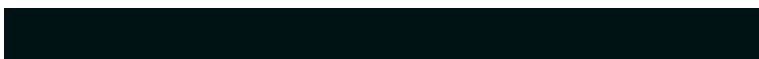
7.3883, 0.1701, 0.1323



8.4172, 0.2987, 0.3269



19.4215, 0.2171, 0.3016



0.5043, 0.2198, 0.3114

Inverse Universe

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



10.9138, 0.3443, 0.1670



19.7833, 0.3447, 0.1673



17.5031, 0.5157, 0.4287



7.6550, 0.3150, 0.3087



8.0317, 0.3440, 0.1669



0.1986, 0.3355, 0.1622

Previews

White Background



This preview shows how the Yxy color 26.3450, 0.2170, 0.3013 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 26.3450, 0.2170, 0.3013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

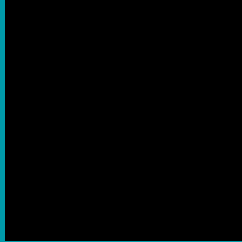
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

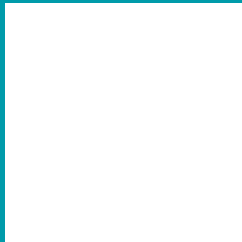
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.3450, 0.2170, 0.3013

Background



This preview shows how black text looks on a background with the Yxy color 26.3450, 0.2170, 0.3013.

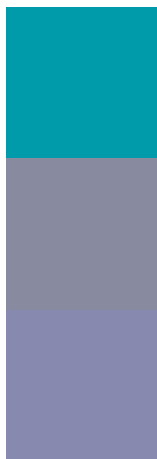


This preview shows how white text looks on a background with the Yxy color 26.3450, 0.2170, 0.3013.

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

26.3450, 0.2170, 0.3013

Protanopia

25.9144, 0.2902, 0.2949

Deuteranopia

26.0982, 0.2758, 0.2709



Tritanopia

26.2698, 0.2180, 0.3048

Trichromacy



Original Color

26.3450, 0.2170, 0.3013



Protanomaly

24.6171, 0.2458, 0.2950



Deuteranomaly

24.9421, 0.2385, 0.2786



Tritanomaly

26.3073, 0.2175, 0.3030

Monochromacy



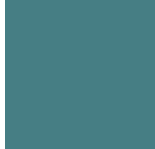
Original Color

26.3450, 0.2170, 0.3013



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.8897, 0.2501, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3450, 0.2170, 0.3013 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 170) }
```

Border

The CSS property to change the border of an element to Yxy 26.3450, 0.2170, 0.3013 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, 170) }
```

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

```
.border{ border-color:rgb(0, 155, 170) }
```

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, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3450, 0.2170, 0.3013 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, 170) }
```

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

```
.background{ background-color: rgb(0, 155,  
170) }
```

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