

# Converting Colors

$Yxy(23.3193, 0.1687, 0.3243)$

Have a look what the booklet for  
Yxy(23.3193, 0.1687, 0.3243)  
contains.

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# Color

**Yxy(26.6171, 0.2236, 0.3250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009D9F
RGB	0, 157, 159
RGB Percent	0%, 62%, 62%
CMY	1.0000, 0.3843, 0.3765
CMYK	1.00, 0.01, 0.00, 0.38
HSL	181°, 100%, 31%
HSV	181°, 100%, 62%
XYZ	18.3126, 26.6171, 36.9691
YIQ	110.2850, -94.2140, -32.6620

# Conversions

## Conversions Part 2

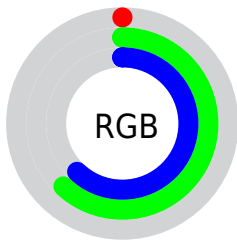
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 79, 159
Decimal	40351
CIELab	58.62, -32.85, -10.87
CIELCh	59, 34.599, 198.318
Yxy	26.6171, 0.2236, 0.3250
Android (android.graphics.Color)	4278230431 (0xFF009D9F)
YUV	110.2850, 24.0165, -96.7199
Hunter-Lab	51.5918, -26.9268, -6.3712

# Details

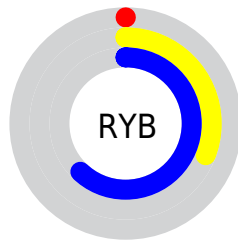
The Yxy color **26.6171, 0.2236, 0.3250** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.4132, 0.6390, 0.3308**, and the grayscale version is **15.6298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2173, 0.2411, 0.3261**, and **11.1859, 0.2224, 0.3207** is the 20% darker color. If you saturate the color by 10%, you get **26.6191, 0.2236, 0.3250**, and if you desaturate by 10%, it is **26.7956, 0.2254, 0.3254**.

# Distribution



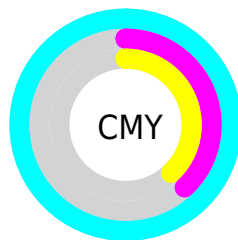
- Red (0%)
- Green (62%)
- Blue (62%)



- Red (0%)
- Yellow (31%)
- Blue (62%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (38%)




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


# Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6171, 0.2236, 0.3250 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 26.6171, 0.2236, 0.3250 by changing the saturation by 10% instead.





 26.6171, 0.2236,  
0.3250


 26.6171, 0.2236,  
0.3250


 285.7984, 0.2709,  
0.3286


 17.2859, 0.2110,  
0.3234


 54.2688, 0.2414,  
0.3268


 10.4385, 0.1943,  
0.3208


 73.3581, 0.2479,  
0.3273

 5.6907, 0.1714,  
0.3164

 96.4688, 0.2534,  
0.3277

 2.6579, 0.1387,  
0.3077

 123.9854, 0.2580,  
0.3280

 0.9559, 0.0336,  
0.3060

 156.2923, 0.2619,  
0.3282

 0.0000, 0.0000,  
0.0000

 193.7738, 0.2653,

0.3283

236.8144, 0.2683,  
0.3285

■ 26.6171, 0.2236,  
0.3250

■ 26.6171, 0.2236,  
0.3250

■ 26.6191, 0.2236,  
0.3250

■ 26.7956, 0.2254,  
0.3254

■ 27.0576, 0.2284,  
0.3258

■ 27.4422, 0.2332,  
0.3262

■ 27.9652, 0.2399,  
0.3266

■ 28.6400, 0.2484,  
0.3271

■ 29.4783, 0.2586,  
0.3275

■ 30.4907, 0.2704,  
0.3279

■ 31.6869, 0.2835,  
0.3283

■ 33.0761, 0.2977,  
0.3287

# Harmonies

## Analogous

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



26.6171, 0.2617, 0.3845



26.6171, 0.2236, 0.3250



26.6171, 0.2086, 0.2743

# Triad

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



26.6171, 0.2236, 0.3250



26.6171, 0.3010, 0.2511



26.6171, 0.4140, 0.4083

# Complementary

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



26.6171, 0.2236, 0.3250



7.4132, 0.6390, 0.3308

# 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.



26.6171, 0.4291, 0.3670



26.6171, 0.2236, 0.3250



26.6171, 0.3605, 0.2809

# Square

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



26.6171, 0.2236, 0.3250



26.6171, 0.2498, 0.2379



26.6171, 0.4094, 0.3218



26.6171, 0.3716, 0.4335



# Rectangle

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



26.6171, 0.2236, 0.3250



26.6171, 0.2121, 0.2520



26.6171, 0.4094, 0.3218



26.6171, 0.4226, 0.3956

# Sweetspot

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



26.6191, 0.2236, 0.3250



54.5001, 0.2697, 0.3279



24.7935, 0.3000, 0.6000



12.1176, 0.2649, 0.3277



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

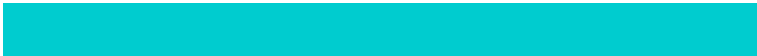


# Same Dimension

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



26.6191, 0.2236, 0.3250



47.6550, 0.2236, 0.3249



8.1667, 0.1777, 0.1597



7.4953, 0.2988, 0.3287



21.0319, 0.2236, 0.3250



0.3801, 0.2241, 0.3266



# Inverse Universe

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



9.8046, 0.3240, 0.1559



17.5589, 0.3241, 0.1559



13.0339, 0.5390, 0.4102



6.7532, 0.3139, 0.3072



7.7454, 0.3240, 0.1558



0.1389, 0.3227, 0.1551



# Previews

## White Background



This preview shows how the Yxy color 26.6171, 0.2236, 0.3250 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 26.6171, 0.2236, 0.3250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

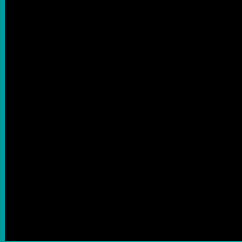
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.6171, 0.2236, 0.3250**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.6171, 0.2236, 0.3250.

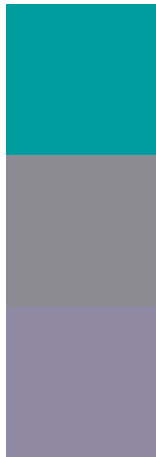


This preview shows how white text looks on a background with the Yxy color 26.6171, 0.2236, 0.3250.

# 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

26.6171, 0.2236, 0.3250

### Protanopia

26.1788, 0.3048, 0.3143

### Deuteranopia

26.3753, 0.2935, 0.2880



## Tritanopia

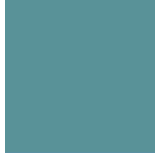
26.8237, 0.2217, 0.3069

# Trichromacy



## Original Color

26.6171, 0.2236, 0.3250



## Protanomaly

24.9486, 0.2557, 0.3179



## Deuteranomaly

24.7793, 0.2493, 0.2969



## Tritanomaly

26.6127, 0.2218, 0.3121

# Monochromacy



## Original Color

26.6171, 0.2236, 0.3250



## Achromatopsia

15.5926, 0.3127, 0.3290



## Achromatomaly

18.0393, 0.2538, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  26.6171, 0.2236, 0.3250 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 26.6171, 0.2236, 0.3250 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, 159) }
```

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

```
.border{ border-color:rgb(0, 157, 159) }
```

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, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.6171, 0.2236, 0.3250 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, 159) }
```

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

```
.background{ background-color: rgb(0, 157,  
159) }
```

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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