

# Converting Colors

$Yxy(24.0849, 0.1733, 0.2870)$

Have a look what the booklet for  
Yxy(24.0849, 0.1733, 0.2870)  
contains.

<b>Yxy(26.6170, 0.2137, 0.2894)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(26.6170, 0.2137, 0.2894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009BB1
RGB	0, 155, 177
RGB Percent	0%, 61%, 69%
CMY	1.0000, 0.3921, 0.3058
CMYK	1.00, 0.12, 0.00, 0.31
HSL	187°, 100%, 35%
HSV	187°, 100%, 69%
XYZ	19.6546, 26.6170, 45.7014
YIQ	111.1630, -99.4420, -26.0180

# Conversions

## Conversions Part 2

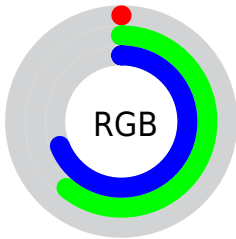
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 83, 177
Decimal	39857
CIELab	58.62, -25.96, -21.09
CIELCh	59, 33.446, 219.099
Yxy	26.6170, 0.2137, 0.2894
Android (android.graphics.Color)	4278229937 (0xFF009BB1)
YUV	111.1630, 32.4576, -97.4900
Hunter-Lab	51.5917, -22.2831, -16.4067

# Details

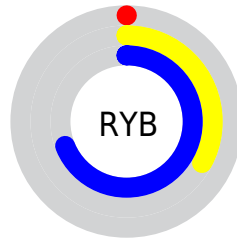
The Yxy color **26.6170, 0.2137, 0.2894** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.9222, 0.6290, 0.3388**, and the grayscale version is **15.8734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4093, 0.2331, 0.2986**, and **11.1557, 0.2100, 0.2760** is the 20% darker color. If you saturate the color by 10%, you get **26.6200, 0.2137, 0.2894**, and if you desaturate by 10%, it is **27.4848, 0.2166, 0.2937**.

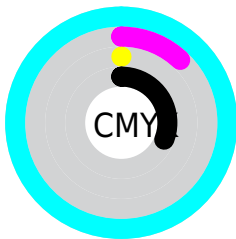
# Distribution



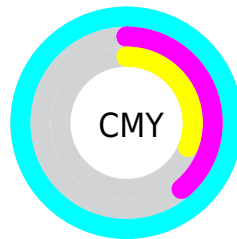
- Red (0%)
- Green (61%)
- Blue (69%)



- Red (0%)
- Yellow (33%)
- Blue (69%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (31%)




- Cyan (100%)
- Magenta (39%)
- Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6170, 0.2137, 0.2894 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 26.6170, 0.2137, 0.2894 by changing the saturation by 10% instead.





 26.6170, 0.2137,  
0.2894

 26.6170, 0.2137,  
0.2894


 285.7979, 0.2656,  
0.3125


 17.2858, 0.2002,  
0.2824


 54.2687, 0.2330,  
0.2986


 10.4385, 0.1826,  
0.2728


 73.3579, 0.2402,  
0.3019

 5.6906, 0.1591,  
0.2585

 96.4686, 0.2461,  
0.3045

 2.6579, 0.1265,  
0.2361

 123.9852, 0.2512,  
0.3066

 0.9559, 0.0579,  
0.2025

 156.2920, 0.2556,  
0.3084

 0.0000, 0.0000,  
0.0000

 193.7734, 0.2593,

0.3100

236.8139, 0.2627,  
0.3113

■ 26.6170, 0.2137,  
0.2894

■ 26.6170, 0.2137,  
0.2894

■ 26.6200, 0.2137,  
0.2894

■ 27.4848, 0.2166,  
0.2937

■ 28.4760, 0.2209,  
0.2980

■ 29.6373, 0.2271,  
0.3023

■ 30.9894, 0.2351,  
0.3066

■ 32.5498, 0.2449,  
0.3108

■ 34.3341, 0.2563,  
0.3149

■ 36.3561, 0.2691,  
0.3188

■ 38.6285, 0.2829,  
0.3225

■ 41.1633, 0.2976,  
0.3259

# Harmonies

## Analogous

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



26.6170, 0.2355, 0.3430



26.6170, 0.2137, 0.2894



26.6170, 0.2154, 0.2539

# Triad

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



26.6170, 0.2137, 0.2894



26.6170, 0.3415, 0.2720



26.6170, 0.3846, 0.4253

# Complementary

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



26.6170, 0.2137, 0.2894



9.9222, 0.6290, 0.3388

# 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.



26.6170, 0.4186, 0.3948



26.6170, 0.2137, 0.2894



26.6170, 0.3940, 0.3092

# Square

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



26.6170, 0.2137, 0.2894



26.6170, 0.2847, 0.2475



26.6170, 0.4230, 0.3526



26.6170, 0.3329, 0.4293



# Rectangle

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



26.6170, 0.2137, 0.2894



26.6170, 0.2294, 0.2425



26.6170, 0.4230, 0.3526



26.6170, 0.3986, 0.4173

# Sweetspot

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



26.6200, 0.2137, 0.2894



64.9081, 0.2684, 0.3186



31.5011, 0.2975, 0.5911



13.7348, 0.2630, 0.3170



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

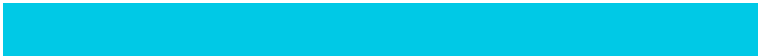


# Same Dimension

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



26.6200, 0.2137, 0.2894



47.4459, 0.2135, 0.2887



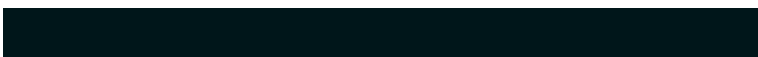
7.2913, 0.1672, 0.1220



9.4477, 0.2986, 0.3261



19.3452, 0.2139, 0.2899



0.6589, 0.2172, 0.3018



# Inverse Universe

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



11.7151, 0.3549, 0.1729



20.9562, 0.3555, 0.1732



20.3189, 0.5067, 0.4359



8.6282, 0.3156, 0.3093



8.4930, 0.3544, 0.1726



0.2723, 0.3439, 0.1668



# Previews

## White Background



This preview shows how the Yxy color 26.6170, 0.2137, 0.2894 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 26.6170, 0.2137, 0.2894 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

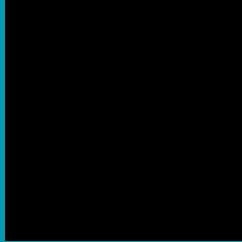
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

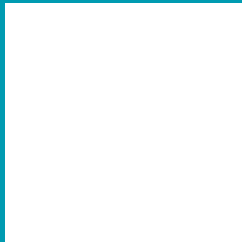
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 26.6170, 0.2137, 0.2894**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.6170, 0.2137, 0.2894.



This preview shows how white text looks on a background with the Yxy color 26.6170, 0.2137, 0.2894.

# 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

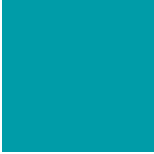
26.6170, 0.2137, 0.2894

### Protanopia

26.3693, 0.2830, 0.2858

### Deuteranopia

26.4187, 0.2674, 0.2622



## **Tritanopia**

26.6041, 0.2185, 0.3067

# Trichromacy



## Original Color

26.6170, 0.2137, 0.2894



## Protanomaly

25.1315, 0.2408, 0.2852



## Deuteranomaly

25.1266, 0.2330, 0.2677



## Tritanomaly

26.7172, 0.2171, 0.3015

# Monochromacy



## Original Color

26.6170, 0.2137, 0.2894



## Achromatopsia

15.8961, 0.3127, 0.3290



## Achromatomaly

18.2676, 0.2489, 0.3122

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.6170, 0.2137, 0.2894 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, 177)` looks like.

```
.text, #text, p{  
  color:rgb(0, 155, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 26.6170, 0.2137, 0.2894 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, 177) }
```

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

```
.border{ border-color:rgb(0, 155, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.6170, 0.2137, 0.2894 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, 177) }
```

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

```
.background{ background-color: rgb(0, 155,  
177) }
```

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