

# Converting Colors

$Yxy(21.2204, 0.1494, 0.3681)$

Have a look what the booklet for  
Yxy(21.2204, 0.1494, 0.3681)  
contains.

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# Color

**Yxy(25.2777, 0.2342, 0.3629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009B8A
RGB	0, 155, 138
RGB Percent	0%, 61%, 54%
CMY	0.9981, 0.3922, 0.4588
CMYK	1.00, 0.00, 0.11, 0.39
HSL	173°, 99%, 30%
HSV	173°, 100%, 61%
XYZ	16.3131, 25.2777, 28.0639
YIQ	106.7170, -86.9230, -38.1470

# Conversions

## Conversions Part 2

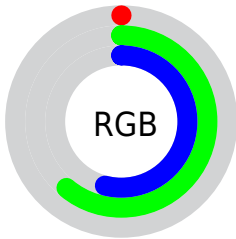
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 82, 155
Decimal	39818
CIELab	57.34, -38.28, -0.82
CIELCh	57, 38.284, 181.232
Yxy	25.2777, 0.2342, 0.3629
Android (android.graphics.Color)	4278229898 (0xFF009B8A)
YUV	106.7170, 15.4225, -93.5908
Hunter-Lab	50.2769, -30.0675, 2.0990

# Details

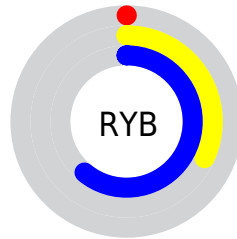
The Yxy color **25.2777, 0.2342, 0.3629** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.0205, 0.6241, 0.3215**, and the grayscale version is **14.6365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9786, 0.2506, 0.3562**, and **10.4051, 0.2369, 0.3728** is the 20% darker color. If you saturate the color by 10%, you get **25.2740, 0.2342, 0.3630**, and if you desaturate by 10%, it is **25.4353, 0.2351, 0.3592**.

# Distribution



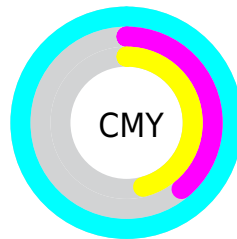
- Red (0%)
- Green (61%)
- Blue (54%)



- Red (0%)
- Yellow (32%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (46%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2777, 0.2342, 0.3629 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 25.2777, 0.2342, 0.3629 by changing the saturation by 10% instead.





 25.2777, 0.2342,  
0.3629

 25.2777, 0.2342,  
0.3629


 279.2181, 0.2769,  
0.3446


 16.2841, 0.2223,  
0.3679


 52.1074, 0.2506,  
0.3559


 9.7254, 0.2063,  
0.3747


 70.7122, 0.2565,  
0.3534


 5.2173, 0.1836,  
0.3842

 93.2896, 0.2614,  
0.3513

 2.3753, 0.1495,  
0.3981

 120.2239, 0.2655,  
0.3495

 0.8131, 0.0000,  
0.4631

 151.8995, 0.2690,  
0.3480

 0.0000, 0.0000,  
0.0000

 188.7008, 0.2720,

0.3467

231.0122, 0.2746,  
0.3456

■ 25.2777, 0.2342,  
0.3629

■ 25.2777, 0.2342,  
0.3629

■ 25.2740, 0.2342,  
0.3630

■ 25.4353, 0.2351,  
0.3592

■ 25.6748, 0.2373,  
0.3555

■ 26.0312, 0.2413,  
0.3517

■ 26.5192, 0.2472,  
0.3480

■ 27.1512, 0.2548,  
0.3444

■ 27.9384, 0.2642,  
0.3409

■ 28.8905, 0.2749,  
0.3376

■ 30.0168, 0.2868,  
0.3345

■ 31.3257, 0.2997,  
0.3316

# Harmonies

## Analogous

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



25.2777, 0.2879, 0.4242



25.2777, 0.2342, 0.3629



25.2777, 0.2031, 0.2966

# Triad

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



25.2777, 0.2342, 0.3629



25.2777, 0.2645, 0.2318



25.2777, 0.4404, 0.3909

# Complementary

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



25.2777, 0.2342, 0.3629



7.0205, 0.6241, 0.3215

# 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.



25.2777, 0.4360, 0.3413



25.2777, 0.2342, 0.3629



25.2777, 0.3278, 0.2548

# Square

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



25.2777, 0.2342, 0.3629



25.2777, 0.2195, 0.2291



25.2777, 0.3931, 0.2935



25.2777, 0.4079, 0.4325



# Rectangle

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



25.2777, 0.2342, 0.3629



25.2777, 0.1971, 0.2627



25.2777, 0.3931, 0.2935



25.2777, 0.4434, 0.3747

# Sweetspot

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



25.2787, 0.2342, 0.3629



51.5787, 0.2739, 0.3379



23.5752, 0.3034, 0.5970



11.5173, 0.2695, 0.3392



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

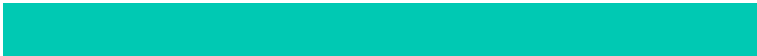


# Same Dimension

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



25.2787, 0.2342, 0.3629



45.2500, 0.2344, 0.3637



10.6927, 0.1891, 0.2006



7.0148, 0.3003, 0.3314



20.3055, 0.2341, 0.3627



0.3065, 0.2295, 0.3462



# Inverse Universe

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



7.0205, 0.6241, 0.3215



12.5385, 0.6278, 0.3232



10.1709, 0.5712, 0.3842



6.2332, 0.3267, 0.3266



5.6329, 0.6235, 0.3208



0.0868, 0.5577, 0.2846



# Previews

## White Background



This preview shows how the Yxy color 25.2777, 0.2342, 0.3629 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 25.2777, 0.2342, 0.3629 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

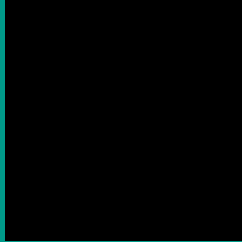
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.2777, 0.2342, 0.3629**

## Background



This preview shows how black text looks on a background with the Yxy color 25.2777, 0.2342, 0.3629.

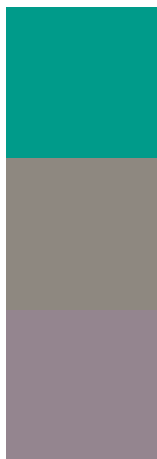


This preview shows how white text looks on a background with the Yxy color 25.2777, 0.2342, 0.3629.

# 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

25.2777, 0.2342, 0.3629

### Protanopia

24.9176, 0.3279, 0.3425

### Deuteranopia

25.0541, 0.3191, 0.3128



## Tritanopia

25.2647, 0.2248, 0.3047

# Trichromacy



**Original Color**

25.2777, 0.2342, 0.3629

**Protanomaly**

23.5350, 0.2722, 0.3500

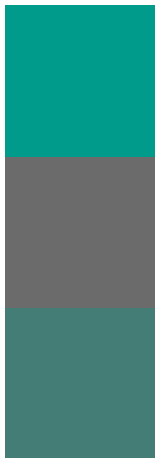
**Deuteranomaly**

23.3525, 0.2668, 0.3289

**Tritanomaly**

25.0426, 0.2266, 0.3230

# Monochromacy



**Original Color**

25.2777, 0.2342, 0.3629

**Achromatopsia**

14.7027, 0.3127, 0.3290

**Achromatomaly**

16.9523, 0.2596, 0.3421

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  25.2777, 0.2342, 0.3629 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 25.2777, 0.2342, 0.3629 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, 138) }
```

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

```
.border{ border-color:rgb(0, 155, 138) }
```

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, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.2777, 0.2342, 0.3629 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, 138) }
```

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

```
.background{ background-color: rgb(0, 155,  
138) }
```

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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