

# Converting Colors

$Y_{xy}(39.3990, 0.2870, 0.3415)$

Have a look what the booklet for  
Yxy(39.3990, 0.2870, 0.3415)  
contains.

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# Color

**Yxy(39.2811, 0.2870, 0.3409)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AB0A8
RGB	138, 176, 168
RGB Percent	54%, 69%, 66%
CMY	0.4589, 0.3098, 0.3412
CMYK	0.22, 0.00, 0.05, 0.31
HSL	167°, 19%, 62%
HSV	167°, 22%, 69%
XYZ	33.0703, 39.2811, 42.8762
YIQ	163.7260, -20.0800, -10.5440

# Conversions

## Conversions Part 2

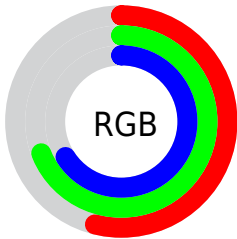
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 159, 176
Decimal	9089192
CIELab	68.95, -14.51, -0.12
CIELCh	69, 14.512, 180.476
Yxy	39.2811, 0.2870, 0.3409
Android (android.graphics.Color)	4287279272 (0xFF8AB0A8)
YUV	163.7260, 2.1071, -22.5617
Hunter-Lab	62.6746, -15.4949, 3.3115

# Details

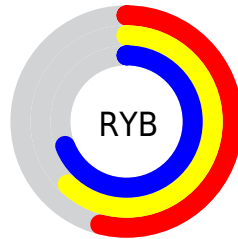
The Yxy color **39.2811, 0.2870, 0.3409** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.4777, 0.3466, 0.3175**, and the grayscale version is **36.9828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2474, 0.2919, 0.3391**, and **17.4531, 0.2791, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **37.7649, 0.2763, 0.3472**, and if you desaturate by 10%, it is **41.0478, 0.2986, 0.3351**.

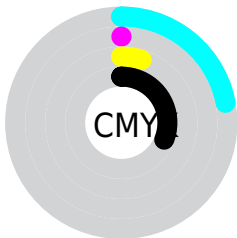
# Distribution



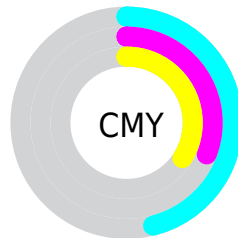
- Red (54%)
- Green (69%)
- Blue (66%)



- Red (54%)
- Yellow (62%)
- Blue (69%)



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)




- Cyan (46%)
- Magenta (31%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2811, 0.2870, 0.3409 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 39.2811, 0.2870, 0.3409 by changing the saturation by 10% instead.





 39.2811, 0.2870,  
0.3409


 39.2811, 0.2870,  
0.3409


343.0841, 0.3002,  
0.3348


 26.9785, 0.2836,  
0.3425


 74.0675, 0.2919,  
0.3386

 17.5571, 0.2791,  
0.3445


 97.3202, 0.2937,  
0.3378

 10.6325, 0.2731,  
0.3473


 124.9916, 0.2952,  
0.3371

 5.8203, 0.2644,  
0.3513

157.4661, 0.2965,  
0.3365

 2.7361, 0.2508,  
0.3575

195.1283, 0.2976,  
0.3360

 0.9956, 0.2197,  
0.3719

238.3624, 0.2986,

 0.0000, 0.0000,

0.3356

0.0000

287.5529, 0.2994,  
0.3352

■ 39.2811, 0.2870,  
0.3409

■ 39.2811, 0.2870,  
0.3409

■ 37.7649, 0.2763,  
0.3472

■ 41.0478, 0.2986,  
0.3351

■ 36.4826, 0.2667,  
0.3539

■ 43.0710, 0.3107,  
0.3298

■ 35.4231, 0.2585,  
0.3610

■ 45.3627, 0.3232,  
0.3250

■ 34.5724, 0.2520,  
0.3684

■ 47.9325, 0.3358,  
0.3208

■ 33.9152, 0.2472,  
0.3760

■ 50.7898, 0.3483,  
0.3170

■ 33.4336, 0.2444,  
0.3837

■ 53.9433, 0.3606,  
0.3137

■ 33.1068, 0.2435,  
0.3913

■ 56.2092, 0.3672,  
0.3104

■ 32.9148, 0.2438,  
0.3977

■ 56.3782, 0.3639,  
0.3066

■ 56.5514, 0.3606,  
0.3028

# Harmonies

## Analogous

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



39.2811, 0.3064, 0.3581



39.2811, 0.2870, 0.3409



39.2811, 0.2747, 0.3207

# Triad

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



39.2811, 0.2870, 0.3409



39.2811, 0.2966, 0.2940



39.2811, 0.3549, 0.3524

# Complementary

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



39.2811, 0.2870, 0.3409



29.4777, 0.3466, 0.3175

# 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.



39.2811, 0.3523, 0.3351



39.2811, 0.2870, 0.3409



39.2811, 0.3180, 0.3023

# Square

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



39.2811, 0.2870, 0.3409



39.2811, 0.2801, 0.2944



39.2811, 0.3386, 0.3170



39.2811, 0.3458, 0.3642



# Rectangle

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



39.2811, 0.2870, 0.3409



39.2811, 0.2718, 0.3088



39.2811, 0.3386, 0.3170



39.2811, 0.3554, 0.3470

# Sweetspot

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



39.2827, 0.2870, 0.3409



76.3972, 0.3052, 0.3321



39.0202, 0.3172, 0.3867



16.5063, 0.3044, 0.3325



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.



39.2827, 0.2870, 0.3409



69.8477, 0.2817, 0.3439



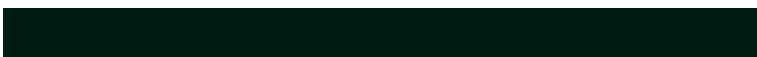
35.5315, 0.2800, 0.3128



9.6002, 0.3013, 0.3338



24.1558, 0.2436, 0.3969



0.7678, 0.2377, 0.3757



# Inverse Universe

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



29.4777, 0.3466, 0.3175



48.8211, 0.3565, 0.3147



32.4829, 0.3523, 0.3447



8.5336, 0.3255, 0.3242



6.8782, 0.6013, 0.3086



0.2249, 0.5257, 0.2670



# Previews

## White Background



This preview shows how the Yxy color 39.2811, 0.2870, 0.3409 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

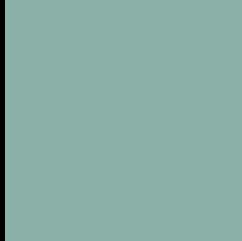
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.2811, 0.2870, 0.3409 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

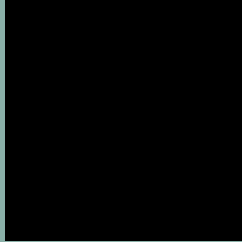
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

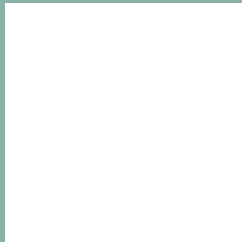
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.2811, 0.2870, 0.3409**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.2811, 0.2870, 0.3409.



This preview shows how white text looks on a background with the Yxy color 39.2811, 0.2870, 0.3409.

# 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

39.2811, 0.2870, 0.3409

### Protanopia

39.0524, 0.3208, 0.3346

### Deuteranopia

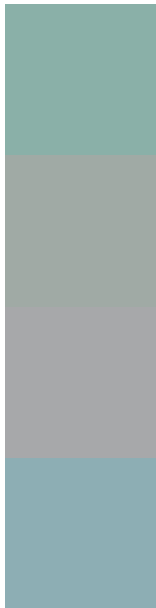
39.2019, 0.3246, 0.3183



## Tritanopia

39.2258, 0.2761, 0.3088

# Trichromacy



## Original Color

39.2811, 0.2870, 0.3409

## Protanomaly

38.9396, 0.3079, 0.3362

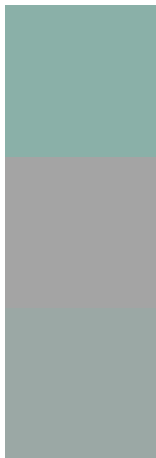
## Deuteranomaly

39.1230, 0.3101, 0.3262

## Tritanomaly

39.2301, 0.2804, 0.3202

# Monochromacy



## Original Color

39.2811, 0.2870, 0.3409

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

37.6904, 0.3035, 0.3333

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.2811, 0.2870, 0.3409 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(138, 176, 168)` looks like.

```
.text, #text, p{  
    color:rgb(138, 176, 168)  
}
```

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(138, 176, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 176, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 39.2811, 0.2870, 0.3409 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(138, 176, 168) }
```

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

```
.border{ border-color:rgb(138, 176, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 176, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 176, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 176, 168);  
box-shadow:4px 4px 4px 4px rgb(138, 176,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.2811, 0.2870, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 176, 168) }
```

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

```
.background{ background-color: rgb(138,  
176, 168) }
```

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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