

# Converting Colors

$Yxy(51.0309, 0.2838, 0.3623)$

Have a look what the booklet for  
Yxy(51.0309, 0.2838, 0.3623)  
contains.

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# Color

**Yxy(51.0309, 0.2838, 0.3623)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CCAB2
RGB	140, 202, 178
RGB Percent	55%, 79%, 70%
CMY	0.4508, 0.2078, 0.3021
CMYK	0.31, 0.00, 0.12, 0.21
HSL	157°, 37%, 67%
HSV	157°, 31%, 79%
XYZ	39.9740, 51.0309, 49.8477
YIQ	180.7260, -29.2480, -20.6080

# Conversions

## Conversions Part 2

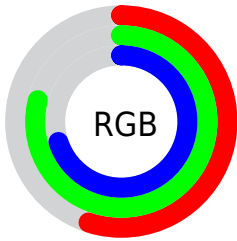
Format	Color
<a href="#">RYB</a>	<a href="#">140, 178, 202</a>
Decimal	<a href="#">9226930</a>
CIELab	<a href="#">76.70, -24.95, 5.68</a>
CIELCh	<a href="#">77, 25.585, 167.173</a>
Yxy	<a href="#">51.0309, 0.2838, 0.3623</a>
Android (android.graphics.Color)	<a href="#">4287417010</a> ( <a href="#">0xFF8CCAB2</a> )
YUV	<a href="#">180.7260, -1.3439, -35.7167</a>
Hunter-Lab	<a href="#">71.4359, -25.1282, 8.6328</a>

# Details

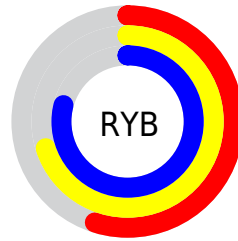
The Yxy color **51.0309, 0.2838, 0.3623** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.0067, 0.3547, 0.2982**, and the grayscale version is **46.0762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0626, 0.2886, 0.3515**, and **24.6867, 0.2756, 0.3734** is the 20% darker color. If you saturate the color by 10%, you get **49.1300, 0.2758, 0.3753**, and if you desaturate by 10%, it is **53.2760, 0.2927, 0.3503**.

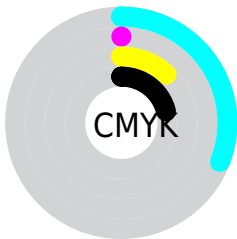
# Distribution



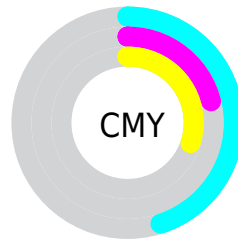
- Red (55%)
- Green (79%)
- Blue (70%)



- Red (55%)
- Yellow (70%)
- Blue (79%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)




- Cyan (45%)
- Magenta (21%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0309, 0.2838, 0.3623 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 51.0309, 0.2838, 0.3623 by changing the saturation by 10% instead.




 51.0309, 0.2838,  
0.3623


 51.0309, 0.2838,  
0.3623

390.6838, 0.2982,  
0.3455

 36.2332, 0.2802,  
0.3665


 91.7004, 0.2890,  
0.3562

 24.6144, 0.2756,  
0.3720


 118.3411, 0.2910,  
0.3539

 15.7900, 0.2696,  
0.3792


 149.6982, 0.2926,  
0.3520

 9.3757, 0.2611,  
0.3895


186.1561, 0.2941,  
0.3503

 4.9870, 0.2486,  
0.4049

228.0992, 0.2953,  
0.3489

 2.2396, 0.2282,  
0.4307

275.9119, 0.2964,

 0.7415, 0.0768,

0.3476

0.5944

329.9787, 0.2973,  
0.3465

0.0000, 0.0000,  
0.0000

51.0309, 0.2838,  
0.3623

51.0309, 0.2838,  
0.3623

49.1300, 0.2758,  
0.3753

53.2760, 0.2927,  
0.3503

47.5493, 0.2691,  
0.3891

55.8758, 0.3022,  
0.3394

46.2710, 0.2639,  
0.4036


58.8477, 0.3120,  
0.3296


45.2734, 0.2605,  
0.4186


62.2063, 0.3220,  
0.3209

44.5315, 0.2591,  
0.4337

65.9654, 0.3320,  
0.3131


 44.0158, 0.2597,  
0.4486

 68.9355, 0.3369,  
0.3058

 43.6878, 0.2617,  
0.4622

 69.3729, 0.3311,  
0.2981

 69.8300, 0.3253,  
0.2906

 70.3074, 0.3197,  
0.2832

# Harmonies

## Analogous

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



51.0309, 0.3172, 0.3856



51.0309, 0.2838, 0.3623



51.0309, 0.2590, 0.3293

# Triad

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



51.0309, 0.2838, 0.3623



51.0309, 0.2736, 0.2722



51.0309, 0.3818, 0.3535

# Complementary

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



51.0309, 0.2838, 0.3623



34.0067, 0.3547, 0.2982

# 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.



51.0309, 0.3691, 0.3249



51.0309, 0.2838, 0.3623



51.0309, 0.3051, 0.2797

# Square

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



51.0309, 0.2838, 0.3623



51.0309, 0.2534, 0.2783



51.0309, 0.3404, 0.2986



51.0309, 0.3747, 0.3779



# Rectangle

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



51.0309, 0.2838, 0.3623



51.0309, 0.2500, 0.3078



51.0309, 0.3404, 0.2986



51.0309, 0.3797, 0.3441

# Sweetspot

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



51.0330, 0.2838, 0.3623



95.3442, 0.3037, 0.3379



52.1159, 0.3277, 0.4131



20.2572, 0.3023, 0.3394



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



51.0330, 0.2838, 0.3623



84.1444, 0.2782, 0.3711



49.2344, 0.2680, 0.3205



12.6505, 0.3034, 0.3381



28.1306, 0.2612, 0.4603



1.4658, 0.2532, 0.4316



# Inverse Universe

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



34.0067, 0.3547, 0.2982



50.6696, 0.3678, 0.2911



35.0813, 0.3789, 0.3373



11.2845, 0.3230, 0.3200



8.4533, 0.5408, 0.2753



0.4508, 0.4883, 0.2464



# Previews

## White Background



This preview shows how the Yxy color 51.0309, 0.2838, 0.3623 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

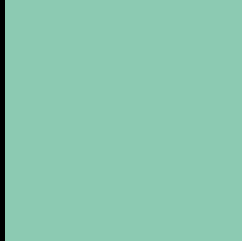
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.0309, 0.2838, 0.3623 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

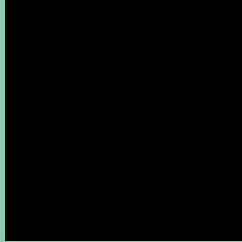
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

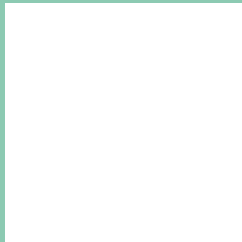
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.0309, 0.2838, 0.3623**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.0309, 0.2838, 0.3623.



This preview shows how white text looks on a background with the Yxy color 51.0309, 0.2838, 0.3623.

# 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

51.0309, 0.2838, 0.3623

### Protanopia

50.6045, 0.3336, 0.3517

### Deuteranopia

50.3886, 0.3361, 0.3291



## Tritanopia

50.9396, 0.2661, 0.3080

# Trichromacy



**Original Color**

51.0309, 0.2838, 0.3623

**Protanomaly**

50.3872, 0.3139, 0.3553

**Deuteranomaly**

49.9217, 0.3147, 0.3393

**Tritanomaly**

50.9463, 0.2723, 0.3275

# Monochromacy



**Original Color**

51.0309, 0.2838, 0.3623

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

47.7975, 0.3008, 0.3411

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0309, 0.2838, 0.3623 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(140, 202, 178)` looks like.

```
.text, #text, p{  
    color:rgb(140, 202, 178)  
}
```

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(140, 202, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 202, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0309, 0.2838, 0.3623 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(140, 202, 178) }
```

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

```
.border{ border-color:rgb(140, 202, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 202, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 202, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 202, 178);  
box-shadow:4px 4px 4px 4px rgb(140, 202,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0309, 0.2838, 0.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 202, 178) }
```

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

```
.background{ background-color: rgb(140,  
202, 178) }
```

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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