

# Converting Colors

$Yxy(52.5368, 0.2946, 0.3634)$

Have a look what the booklet for  
Yxy(52.5368, 0.2946, 0.3634)  
contains.

<b>Yxy(52.3839, 0.2948, 0.3627)</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(52.3839, 0.2948, 0.3627)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BCAB1
RGB	155, 202, 177
RGB Percent	61%, 79%, 69%
CMY	0.3921, 0.2078, 0.3058
CMYK	0.23, 0.00, 0.12, 0.21
HSL	148°, 31%, 70%
HSV	148°, 23%, 79%
XYZ	42.5773, 52.3839, 49.4665
YIQ	185.0970, -19.9870, -17.7390

# Conversions

## Conversions Part 2

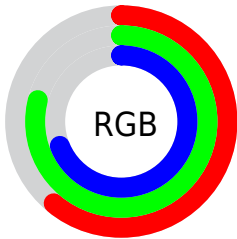
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">155, 187, 202</a>
Decimal	<a href="#">10209969</a>
CIELab	<a href="#">77.51, -20.48, 7.47</a>
CIELCh	<a href="#">78, 21.806, 159.954</a>
Yxy	<a href="#">52.3839, 0.2948, 0.3627</a>
Android (android.graphics.Color)	<a href="#">4288400049 (0xFF9BCAB1)</a>
YUV	<a href="#">185.0970, -3.9918, -26.3951</a>
Hunter-Lab	<a href="#">72.3767, -21.6526, 10.1415</a>

# Details

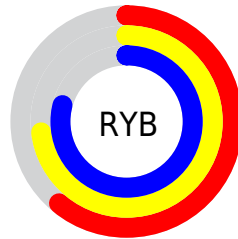
The Yxy color **52.3839, 0.2948, 0.3627** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.3017, 0.3356, 0.2976**, and the grayscale version is **48.6068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1048, 0.2977, 0.3521**, and **25.5186, 0.2903, 0.3737** is the 20% darker color. If you saturate the color by 10%, you get **50.1397, 0.2878, 0.3798**, and if you desaturate by 10%, it is **55.0005, 0.3023, 0.3472**.

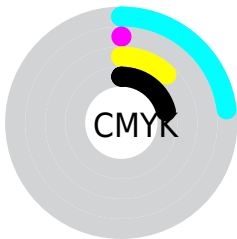
# Distribution



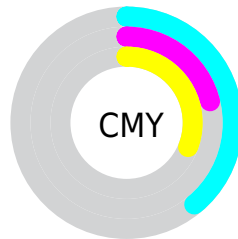
- Red (61%)
- Green (79%)
- Blue (69%)



- Red (61%)
- Yellow (73%)
- Blue (79%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)




- Cyan (39%)
- Magenta (21%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3839, 0.2948, 0.3627 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 52.3839, 0.2948, 0.3627 by changing the saturation by 10% instead.





 52.3839, 0.2948,  
0.3627


 52.3839, 0.2948,  
0.3627


395.9169, 0.3038,  
0.3458

 37.3112, 0.2926,  
0.3669


 93.6972, 0.2981,  
0.3565

 25.4485, 0.2897,  
0.3724


 120.7065, 0.2993,  
0.3542

 16.4115, 0.2858,  
0.3797


152.4635, 0.3003,  
0.3523

 9.8158, 0.2804,  
0.3900

189.3525, 0.3012,  
0.3506

 5.2770, 0.2724,  
0.4054

231.7579, 0.3020,  
0.3492

 2.4107, 0.2590,  
0.4312

280.0642, 0.3027,

 0.8314, 0.1929,

0.3479

0.5527

334.6557, 0.3032,  
0.3468

0.0000, 0.0000,  
0.0000

52.3839, 0.2948,  
0.3627

52.3839, 0.2948,  
0.3627

50.1397, 0.2878,  
0.3798

55.0005, 0.3023,  
0.3472

48.2440, 0.2816,  
0.3984

57.9993, 0.3101,  
0.3332

46.6802, 0.2766,  
0.4182

61.3975, 0.3180,  
0.3208

45.4275, 0.2730,  
0.4388

65.2096, 0.3258,  
0.3099

44.4628, 0.2712,  
0.4597

69.2553, 0.3326,  
0.3002

■ 43.7597, 0.2714,  
0.4802

■ 69.8803, 0.3247,  
0.2898

■ 43.2864, 0.2735,  
0.4999

■ 70.5433, 0.3171,  
0.2797

■ 43.0588, 0.2757,  
0.5124

■ 70.7208, 0.3151,  
0.2772

# Harmonies

## Analogous

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



52.3839, 0.3239, 0.3789



52.3839, 0.2948, 0.3627



52.3839, 0.2712, 0.3363

# Triad

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



52.3839, 0.2948, 0.3627



52.3839, 0.2744, 0.2807



52.3839, 0.3699, 0.3445

# Complementary

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



52.3839, 0.2948, 0.3627



39.3017, 0.3356, 0.2976

# 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.



52.3839, 0.3554, 0.3200



52.3839, 0.2948, 0.3627



52.3839, 0.2994, 0.2843

# Square

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



52.3839, 0.2948, 0.3627



52.3839, 0.2599, 0.2892



52.3839, 0.3292, 0.2985



52.3839, 0.3681, 0.3665



# Rectangle

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



52.3839, 0.2948, 0.3627



52.3839, 0.2615, 0.3177



52.3839, 0.3292, 0.2985



52.3839, 0.3668, 0.3363

# Sweetspot

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



52.3861, 0.2948, 0.3627



96.1738, 0.3071, 0.3384



54.3204, 0.3294, 0.3900



20.5179, 0.3067, 0.3392



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

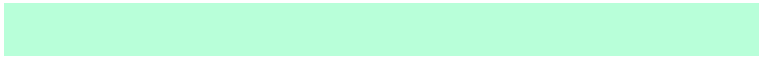


# Same Dimension

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



52.3861, 0.2948, 0.3627



86.6718, 0.2911, 0.3713



53.4018, 0.2796, 0.3310



12.6229, 0.3053, 0.3416



27.7257, 0.2750, 0.5099



1.4456, 0.2646, 0.4725



# Inverse Universe

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



39.3017, 0.3356, 0.2976



60.6264, 0.3421, 0.2904



38.4262, 0.3587, 0.3271



11.3117, 0.3208, 0.3167



8.7873, 0.4808, 0.2422



0.4686, 0.4413, 0.2204



# Previews

## White Background



This preview shows how the Yxy color 52.3839, 0.2948, 0.3627 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

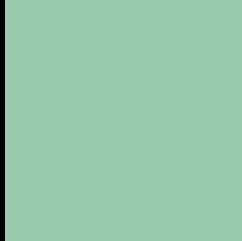
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.3839, 0.2948, 0.3627 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

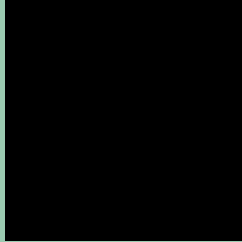
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

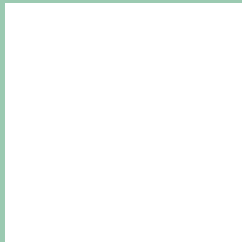
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.3839, 0.2948, 0.3627**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.3839, 0.2948, 0.3627.



This preview shows how white text looks on a background with the Yxy color 52.3839, 0.2948, 0.3627.

# 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

52.3839, 0.2948, 0.3627

### Protanopia

51.9093, 0.3351, 0.3527

### Deuteranopia

51.7633, 0.3401, 0.3327



## Tritanopia

52.4180, 0.2759, 0.3085

# Trichromacy



**Original Color**

52.3839, 0.2948, 0.3627

**Protanomaly**

51.6680, 0.3195, 0.3561

**Deuteranomaly**

51.7634, 0.3219, 0.3428

**Tritanomaly**

52.3879, 0.2823, 0.3276

# Monochromacy



**Original Color**

52.3839, 0.2948, 0.3627

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

49.6377, 0.3057, 0.3408

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.3839, 0.2948, 0.3627 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(155, 202, 177)` looks like.

```
.text, #text, p{  
    color:rgb(155, 202, 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(155, 202, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 202, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3839, 0.2948, 0.3627 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(155, 202, 177) }
```

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

```
.border{ border-color:rgb(155, 202, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 202, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 202, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 202, 177);  
box-shadow:4px 4px 4px 4px rgb(155, 202,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3839, 0.2948, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 202, 177) }
```

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

```
.background{ background-color: rgb(155,  
202, 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](#).

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