

# Converting Colors

Yxy(51.3242, 0.2857, 0.3469)

Have a look what the booklet for  
Yxy(51.3242, 0.2857, 0.3469)  
contains.

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# Color

**Yxy(51.4330, 0.2859, 0.3478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97C8BA
RGB	151, 200, 186
RGB Percent	59%, 78%, 73%
CMY	0.4079, 0.2157, 0.2705
CMYK	0.25, 0.00, 0.07, 0.22
HSL	163°, 31%, 69%
HSV	163°, 25%, 78%
XYZ	42.2792, 51.4330, 54.1688
YIQ	183.7530, -24.7100, -14.7420

# Conversions

## Conversions Part 2

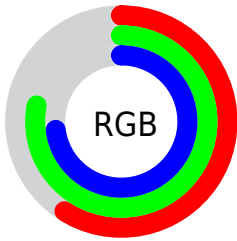
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 180, 200
Decimal	9947322
CIELab	76.94, -18.93, 1.77
CIElCh	77, 19.008, 174.664
Yxy	51.4330, 0.2859, 0.3478
Android (android.graphics.Color)	4288137402 (0xFF97C8BA)
YUV	183.7530, 1.1078, -28.7244
Hunter-Lab	71.7168, -20.2734, 5.4191

# Details

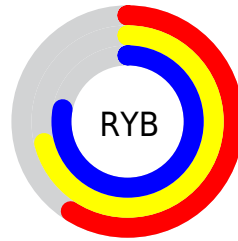
The Yxy color **51.4330, 0.2859, 0.3478** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.1225, 0.3492, 0.3111**, and the grayscale version is **47.7933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0526, 0.2906, 0.3426**, and **24.9039, 0.2787, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **49.4436, 0.2762, 0.3567**, and if you desaturate by 10%, it is **53.7609, 0.2965, 0.3396**.

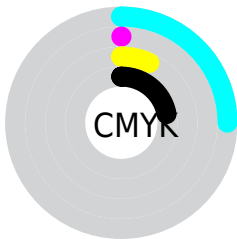
# Distribution



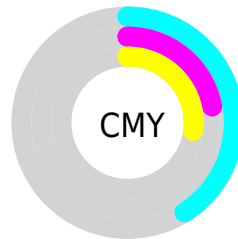
- Red (59%)
- Green (78%)
- Blue (73%)



- Red (59%)
- Yellow (71%)
- Blue (78%)



- Cyan (25%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)




- Cyan (41%)
- Magenta (22%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4330, 0.2859, 0.3478 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 51.4330, 0.2859, 0.3478 by changing the saturation by 10% instead.



 51.4330, 0.2859,  
0.3478


 51.4330, 0.2859,  
0.3478

392.2437, 0.2991,  
0.3385

 36.5533, 0.2827,  
0.3501


 92.2945, 0.2907,  
0.3444

 24.8618, 0.2785,  
0.3530


 119.0451, 0.2925,  
0.3432

 15.9742, 0.2731,  
0.3569


150.5215, 0.2940,  
0.3421

 9.5059, 0.2656,  
0.3623

187.1080, 0.2953,  
0.3412

 5.0726, 0.2547,  
0.3703

229.1891, 0.2964,  
0.3404

 2.2899, 0.2372,  
0.3833

277.1492, 0.2974,

 0.7684, 0.1533,

0.3397

0.4391

331.3726, 0.2983,  
0.3390

0.0000, 0.0000,  
0.0000

51.4330, 0.2859,  
0.3478

51.4330, 0.2859,  
0.3478

49.4436, 0.2762,  
0.3567

53.7609, 0.2965,  
0.3396

47.7698, 0.2677,  
0.3663

56.4364, 0.3076,  
0.3321

46.3960, 0.2606,  
0.3764


59.4758, 0.3190,  
0.3254


45.3022, 0.2552,  
0.3868


62.8928, 0.3306,  
0.3194

44.4665, 0.2517,  
0.3976


66.7002, 0.3421,  
0.3141

 43.8631, 0.2502,  
0.4084


 67.7513, 0.3408,  
0.3085

 43.4610, 0.2506,  
0.4191

 68.0591, 0.3365,  
0.3028

 43.2939, 0.2514,  
0.4249

 68.3773, 0.3322,  
0.2972

 68.7060, 0.3279,  
0.2917

# Harmonies

## Analogous

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



51.4330, 0.3099, 0.3671



51.4330, 0.2859, 0.3478



51.4330, 0.2694, 0.3235

# Triad

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



51.4330, 0.2859, 0.3478



51.4330, 0.2890, 0.2867



51.4330, 0.3639, 0.3530

# Complementary

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



51.4330, 0.2859, 0.3478



37.1225, 0.3492, 0.3111

# 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.



51.4330, 0.3580, 0.3318



51.4330, 0.2859, 0.3478



51.4330, 0.3139, 0.2947

# Square

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



51.4330, 0.2859, 0.3478



51.4330, 0.2711, 0.2890



51.4330, 0.3393, 0.3109



51.4330, 0.3554, 0.3690



# Rectangle

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



51.4330, 0.2859, 0.3478



51.4330, 0.2645, 0.3085



51.4330, 0.3393, 0.3109



51.4330, 0.3635, 0.3462

# Sweetspot

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



51.4351, 0.2859, 0.3478



96.4469, 0.3047, 0.3340



51.6183, 0.3210, 0.3954



20.5812, 0.3040, 0.3344



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

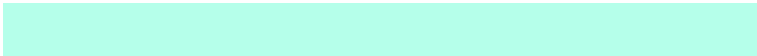


# Same Dimension

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



51.4351, 0.2859, 0.3478



87.2855, 0.2810, 0.3521



47.6619, 0.2759, 0.3157



12.0140, 0.3021, 0.3357



27.5421, 0.2509, 0.4234



1.3161, 0.2448, 0.4012



# Inverse Universe

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



37.1225, 0.3492, 0.3111



58.5987, 0.3589, 0.3073



39.9290, 0.3606, 0.3419



10.6858, 0.3246, 0.3224



8.0091, 0.5792, 0.2964



0.3920, 0.5180, 0.2627



# Previews

## White Background



This preview shows how the Yxy color 51.4330, 0.2859, 0.3478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

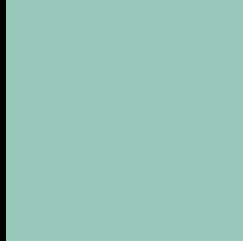
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4330, 0.2859, 0.3478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

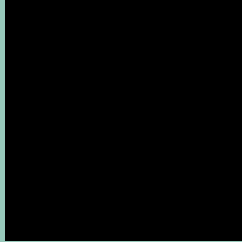
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

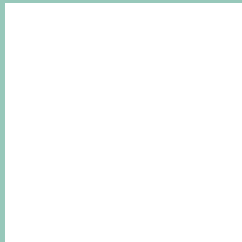
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.4330, 0.2859, 0.3478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4330, 0.2859, 0.3478.



This preview shows how white text looks on a background with the Yxy color 51.4330, 0.2859, 0.3478.

# 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

51.4330, 0.2859, 0.3478

### Protanopia

51.2926, 0.3247, 0.3403

### Deuteranopia

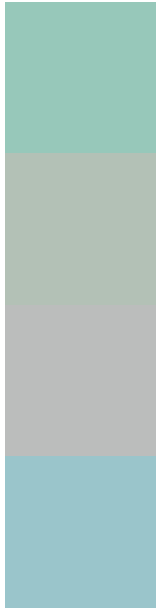
50.8065, 0.3284, 0.3218



## Tritanopia

51.3012, 0.2724, 0.3082

# Trichromacy



**Original Color**

51.4330, 0.2859, 0.3478

**Protanomaly**

51.1010, 0.3096, 0.3432

**Deuteranomaly**

50.5908, 0.3118, 0.3303

**Tritanomaly**

51.1143, 0.2768, 0.3210

# Monochromacy



**Original Color**

51.4330, 0.2859, 0.3478

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

49.1003, 0.3019, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4330, 0.2859, 0.3478 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(151, 200, 186)` looks like.

```
.text, #text, p{  
    color:rgb(151, 200, 186)  
}
```

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(151, 200, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 200, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4330, 0.2859, 0.3478 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(151, 200, 186) }
```

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

```
.border{ border-color:rgb(151, 200, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 200, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 200, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 200, 186); box-shadow:4px 4px 4px 4px rgb(151, 200, 186) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4330, 0.2859, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 200, 186) }
```

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

```
.background{ background-color: rgb(151,  
200, 186) }
```

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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