

# Converting Colors

Yxy(51.1542, 0.2902, 0.3458)

Have a look what the booklet for  
Yxy(51.1542, 0.2902, 0.3458)  
contains.

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# Color

**Yxy(51.1014, 0.2901, 0.3450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DC6BA
RGB	157, 198, 186
RGB Percent	62%, 78%, 73%
CMY	0.3841, 0.2236, 0.2706
CMYK	0.21, 0.00, 0.06, 0.22
HSL	162°, 26%, 70%
HSV	162°, 21%, 78%
XYZ	42.9696, 51.1014, 54.0490
YIQ	184.3730, -20.5840, -12.4240

# Conversions

## Conversions Part 2

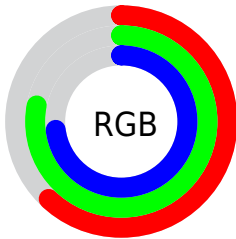
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 181, 198
Decimal	10340026
CIELab	76.74, -16.00, 1.54
CIElCh	77, 16.071, 174.503
Yxy	51.1014, 0.2901, 0.3450
Android (android.graphics.Color)	4288530106 (0xFF9DC6BA)
YUV	184.3730, 0.8021, -24.0061
Hunter-Lab	71.4852, -17.8032, 5.2113

# Details

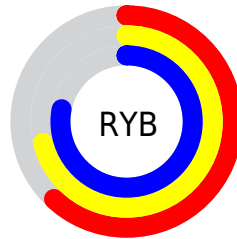
The Yxy color **51.1014, 0.2901, 0.3450** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0061, 0.3419, 0.3136**, and the grayscale version is **48.1605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9279, 0.2940, 0.3424**, and **24.6432, 0.2839, 0.3492** is the 20% darker color. If you saturate the color by 10%, you get **49.0279, 0.2801, 0.3539**, and if you desaturate by 10%, it is **53.5119, 0.3008, 0.3369**.

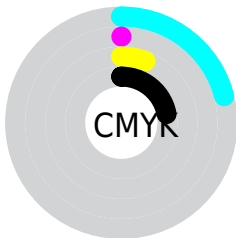
# Distribution



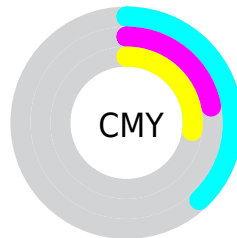
- Red (62%)
- Green (78%)
- Blue (73%)



- Red (62%)
- Yellow (71%)
- Blue (78%)



- Cyan (21%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)




- Cyan (38%)
- Magenta (22%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1014, 0.2901, 0.3450 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 51.1014, 0.2901, 0.3450 by changing the saturation by 10% instead.



 51.1014, 0.2901,  
0.3450

 51.1014, 0.2901,  
0.3450


390.9576, 0.3013,  
0.3371

 36.2893, 0.2874,  
0.3470


 91.8046, 0.2941,  
0.3421

 24.6577, 0.2839,  
0.3495


 118.4646, 0.2956,  
0.3411

 15.8222, 0.2793,  
0.3528


149.8426, 0.2969,  
0.3401

 9.3984, 0.2729,  
0.3574

186.3231, 0.2980,  
0.3394

 5.0020, 0.2636,  
0.3642

228.2904, 0.2990,  
0.3387

 2.2484, 0.2486,  
0.3753

276.1290, 0.2998,

 0.7462, 0.1801,

0.3381

0.4216

330.2233, 0.3006,  
0.3375

0.0000, 0.0000,  
0.0000

51.1014, 0.2901,  
0.3450

51.1014, 0.2901,  
0.3450

49.0279, 0.2801,  
0.3539

53.5119, 0.3008,  
0.3369

47.2695, 0.2712,  
0.3635

56.2676, 0.3120,  
0.3295

45.8113, 0.2636,  
0.3737

59.3844, 0.3233,  
0.3228

44.6348, 0.2576,  
0.3843

62.8752, 0.3347,  
0.3170

43.7193, 0.2534,  
0.3953

66.5512, 0.3452,  
0.3117

■ 43.0414, 0.2512,  
0.4064

■ 66.8550, 0.3407,  
0.3059

■ 42.5732, 0.2510,  
0.4175

■ 67.1694, 0.3362,  
0.3001

■ 42.2765, 0.2522,  
0.4277

■ 67.4946, 0.3318,  
0.2944

■ 67.8307, 0.3275,  
0.2888

# Harmonies

## Analogous

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



51.1014, 0.3106, 0.3611



51.1014, 0.2901, 0.3450



51.1014, 0.2759, 0.3246

# Triad

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



51.1014, 0.2901, 0.3450



51.1014, 0.2925, 0.2929



51.1014, 0.3560, 0.3495

# Complementary

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



51.1014, 0.2901, 0.3450



39.0061, 0.3419, 0.3136

# 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.



51.1014, 0.3509, 0.3315



51.1014, 0.2901, 0.3450



51.1014, 0.3137, 0.2996

# Square

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



51.1014, 0.2901, 0.3450



51.1014, 0.2772, 0.2951



51.1014, 0.3352, 0.3135



51.1014, 0.3490, 0.3630



# Rectangle

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



51.1014, 0.2901, 0.3450



51.1014, 0.2716, 0.3119



51.1014, 0.3352, 0.3135



51.1014, 0.3556, 0.3437

# Sweetspot

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



51.1035, 0.2901, 0.3450



96.9273, 0.3059, 0.3334



51.2935, 0.3198, 0.3840



20.6779, 0.3051, 0.3339



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

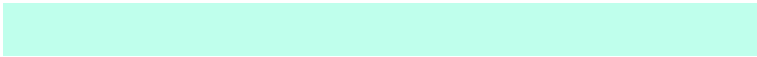


# Same Dimension

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



51.1035, 0.2901, 0.3450



88.7032, 0.2853, 0.3491



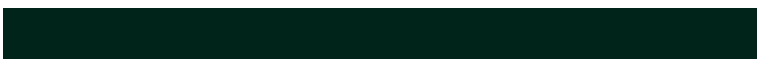
47.9938, 0.2815, 0.3180



12.0125, 0.3022, 0.3359



27.5116, 0.2517, 0.4263



1.3149, 0.2454, 0.4034



# Inverse Universe

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



39.0061, 0.3419, 0.3136



63.2807, 0.3504, 0.3099



41.4407, 0.3515, 0.3397



10.6872, 0.3244, 0.3223



8.0197, 0.5764, 0.2949



0.3926, 0.5154, 0.2613



# Previews

## White Background



This preview shows how the Yxy color 51.1014, 0.2901, 0.3450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

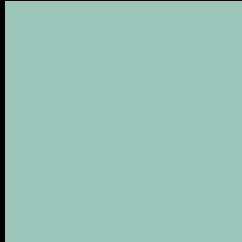
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.1014, 0.2901, 0.3450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

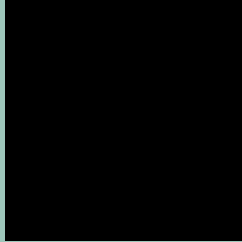
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

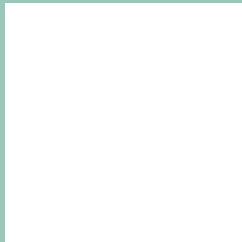
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.1014, 0.2901, 0.3450**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.1014, 0.2901, 0.3450.

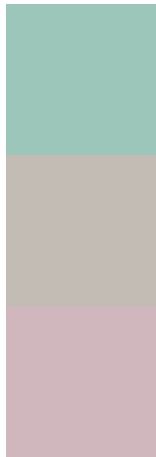


This preview shows how white text looks on a background with the Yxy color 51.1014, 0.2901, 0.3450.

# 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

51.1014, 0.2901, 0.3450

### Protanopia

50.7311, 0.3240, 0.3391

### Deuteranopia

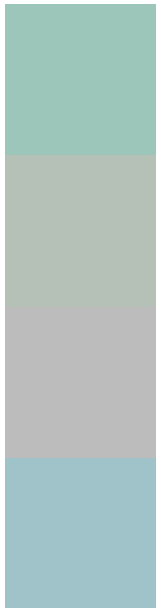
50.8065, 0.3284, 0.3218



## Tritanopia

50.9181, 0.2775, 0.3084

# Trichromacy



## Original Color

51.1014, 0.2901, 0.3450

## Protanomaly

50.9004, 0.3113, 0.3419

## Deuteranomaly

50.4161, 0.3135, 0.3290

## Tritanomaly

50.7208, 0.2820, 0.3211

# Monochromacy



## Original Color

51.1014, 0.2901, 0.3450

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.8966, 0.3035, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.1014, 0.2901, 0.3450 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(157, 198, 186)` looks like.

```
.text, #text, p{  
    color:rgb(157, 198, 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(157, 198, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 198, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 51.1014, 0.2901, 0.3450 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(157, 198, 186) }
```

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

```
.border{ border-color:rgb(157, 198, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 198, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 198, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 198, 186);  
box-shadow:4px 4px 4px 4px rgb(157, 198,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.1014, 0.2901, 0.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 198, 186) }
```

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

```
.background{ background-color: rgb(157,  
198, 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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