

# Converting Colors

$Y_{xy}(50.9880, 0.2681, 0.3138)$

Have a look what the booklet for  
Yxy(50.9880, 0.2681, 0.3138)  
contains.

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# Color

**Yxy(51.1026, 0.2680, 0.3144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92C6D1
RGB	146, 198, 209
RGB Percent	57%, 78%, 82%
CMY	0.4273, 0.2235, 0.1805
CMYK	0.30, 0.05, 0.00, 0.18
HSL	190°, 41%, 70%
HSV	190°, 30%, 82%
XYZ	43.5607, 51.1026, 67.8767
YIQ	183.7060, -34.5230, -7.6030

# Conversions

## Conversions Part 2

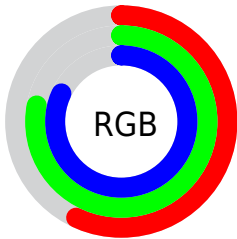
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 174, 209
Decimal	9619153
CIELab	76.74, -14.25, -10.95
CIELCh	77, 17.971, 217.549
Yxy	51.1026, 0.2680, 0.3144
Android (android.graphics.Color)	4287809233 (0xFF92C6D1)
YUV	183.7060, 12.4699, -33.0682
Hunter-Lab	71.4861, -16.3299, -6.2562

# Details

The Yxy color **51.1026, 0.2680, 0.3144** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.7544, 0.3757, 0.3430**, and the grayscale version is **47.7118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **24.6402, 0.2559, 0.3090** is the 20% darker color. If you saturate the color by 10%, you get **47.7130, 0.2547, 0.3088**, and if you desaturate by 10%, it is **54.8866, 0.2823, 0.3197**.

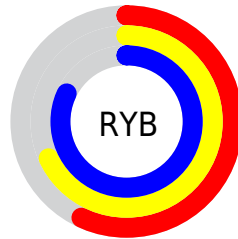
# Distribution



Red (57%)

Green (78%)

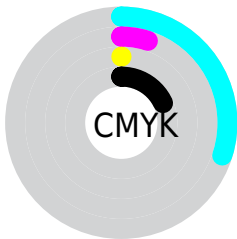
Blue (82%)



Red (57%)

Yellow (68%)

Blue (82%)

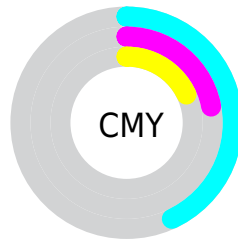


Cyan (30%)

Magenta (5%)

Yellow (0%)

Black (18%)



Cyan (43%)

Magenta (22%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1026, 0.2680, 0.3144 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 51.1026, 0.2680, 0.3144 by changing the saturation by 10% instead.



■ 51.1026, 0.2680,  
0.3144

■ 51.1026, 0.2680,  
0.3144

■ 390.9623, 0.2897,  
0.3219

■ 36.2903, 0.2628,  
0.3125

■ 91.8064, 0.2757,  
0.3172

■ 24.6585, 0.2562,  
0.3099

■ 118.4667, 0.2787,  
0.3182

■ 15.8228, 0.2477,  
0.3065

■ 149.8451, 0.2812,  
0.3191

■ 9.3988, 0.2362,  
0.3017

■ 186.3259, 0.2834,  
0.3198

■ 5.0022, 0.2198,  
0.2944

■ 228.2937, 0.2852,  
0.3205

■ 2.2486, 0.1949,  
0.2822

■ 276.1327, 0.2869,

■ 0.7463, 0.1279,

0.3210

0.2641

330.2275, 0.2884,  
0.3215

0.0000, 0.0000,  
0.0000

51.1026, 0.2680,  
0.3144

51.1026, 0.2680,  
0.3144

47.7130, 0.2547,  
0.3088

54.8866, 0.2823,  
0.3197

44.6922, 0.2427,  
0.3029

59.0767, 0.2972,  
0.3245

42.0211, 0.2323,  
0.2968

63.6917, 0.3125,  
0.3290

39.6762, 0.2236,  
0.2905

68.7474, 0.3280,  
0.3330

37.6306, 0.2169,  
0.2842

74.2585, 0.3433,  
0.3365

■ 35.8524, 0.2121,  
0.2779

■ 76.9875, 0.3460,  
0.3401

■ 34.3002, 0.2088,  
0.2718

■ 78.9219, 0.3453,  
0.3438

■ 80.8983, 0.3447,  
0.3474

■ 82.9170, 0.3441,  
0.3510

# Harmonies

## Analogous

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



51.1026, 0.2794, 0.3371



51.1026, 0.2680, 0.3144



51.1026, 0.2680, 0.2970

# Triad

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



51.1026, 0.2680, 0.3144



51.1026, 0.3245, 0.3022



51.1026, 0.3461, 0.3707

# Complementary

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



51.1026, 0.2680, 0.3144



39.7544, 0.3757, 0.3430

# 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.



51.1026, 0.3593, 0.3592



51.1026, 0.2680, 0.3144



51.1026, 0.3467, 0.3200

# Square

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



51.1026, 0.2680, 0.3144



51.1026, 0.2999, 0.2909



51.1026, 0.3596, 0.3406



51.1026, 0.3242, 0.3707



# Rectangle

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



51.1026, 0.2680, 0.3144



51.1026, 0.2744, 0.2904



51.1026, 0.3596, 0.3406



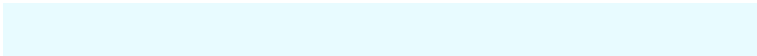
51.1026, 0.3518, 0.3680

# Sweetspot

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



51.1046, 0.2680, 0.3144



93.3749, 0.2988, 0.3250



54.1258, 0.3019, 0.4015



19.7681, 0.2965, 0.3243



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

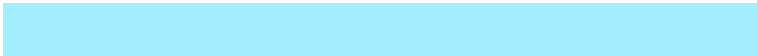


# Same Dimension

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



51.1046, 0.2680, 0.3144



76.7470, 0.2595, 0.3109



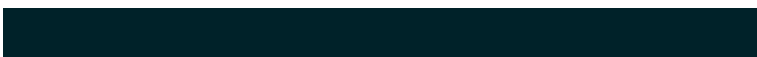
38.3648, 0.2632, 0.2715



13.0413, 0.2983, 0.3248



21.2816, 0.2091, 0.2727



1.2845, 0.2123, 0.2841



# Inverse Universe

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



38.2022, 0.3264, 0.2666



53.7561, 0.3299, 0.2535



51.5975, 0.3647, 0.3804



11.9722, 0.3164, 0.3100



10.2197, 0.3703, 0.1813

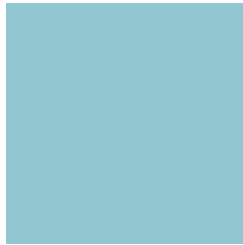


0.5810, 0.3597, 0.1755



# Previews

## White Background



This preview shows how the Yxy color 51.1026, 0.2680, 0.3144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

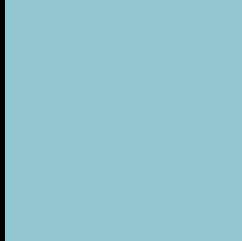
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.1026, 0.2680, 0.3144 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

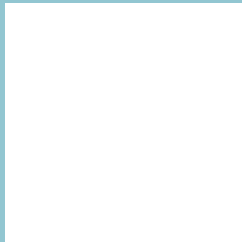
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.1026, 0.2680, 0.3144**

## Background



This preview shows how black text looks on a background with the Yxy color 51.1026, 0.2680, 0.3144.

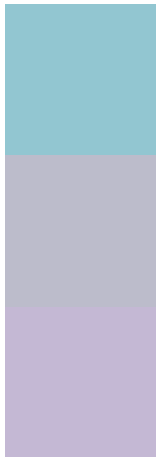


This preview shows how white text looks on a background with the Yxy color 51.1026, 0.2680, 0.3144.

# 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

51.1026, 0.2680, 0.3144

### Protanopia

50.9696, 0.3015, 0.3104

### Deuteranopia

50.7702, 0.3012, 0.2953



## Tritanopia

50.9396, 0.2661, 0.3080

# Trichromacy



## Original Color

51.1026, 0.2680, 0.3144

## Protanomaly

50.9913, 0.2886, 0.3124

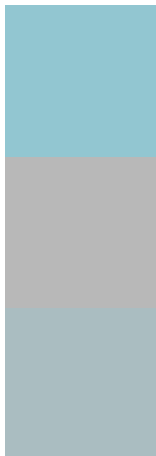
## Deuteranomaly

50.5633, 0.2881, 0.3015

## Tritanomaly

50.8890, 0.2667, 0.3092

# Monochromacy



## Original Color

51.1026, 0.2680, 0.3144

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.7915, 0.2946, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.1026, 0.2680, 0.3144 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(146, 198, 209)` looks like.

```
.text, #text, p{  
    color:rgb(146, 198, 209)  
}
```

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(146, 198, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 198, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 51.1026, 0.2680, 0.3144 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(146, 198, 209) }
```

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

```
.border{ border-color:rgb(146, 198, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 198, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 198, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 198, 209);  
box-shadow:4px 4px 4px 4px rgb(146, 198,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.1026, 0.2680, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 198, 209) }
```

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

```
.background{ background-color: rgb(146,  
198, 209) }
```

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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