

# Converting Colors

$Yxy(49.4659, 0.2833, 0.3133)$

Have a look what the booklet for  
Yxy(49.4659, 0.2833, 0.3133)  
contains.

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# Color

**Yxy(49.4659, 0.2833, 0.3133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4BFCB
RGB	164, 191, 203
RGB Percent	64%, 75%, 80%
CMY	0.3566, 0.2510, 0.2039
CMYK	0.19, 0.06, 0.00, 0.20
HSL	199°, 27%, 72%
HSV	199°, 19%, 80%
XYZ	44.7293, 49.4659, 63.6915
YIQ	184.2950, -19.9440, -1.9920

# Conversions

## Conversions Part 2

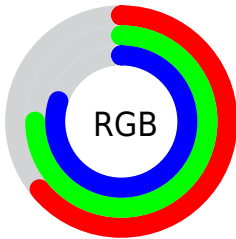
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 180, 203
Decimal	10797003
CIELab	75.74, -6.52, -9.09
CIELCh	76, 11.186, 234.365
Yxy	49.4659, 0.2833, 0.3133
Android (android.graphics.Color)	4288987083 (0xFFA4BFCB)
YUV	184.2950, 9.2216, -17.7987
Hunter-Lab	70.3320, -9.5597, -4.4596

# Details

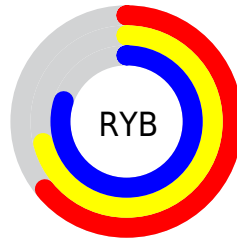
The Yxy color **49.4659, 0.2833, 0.3133** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.4594, 0.3473, 0.3442**, and the grayscale version is **48.0671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8016, 0.2909, 0.3208**, and **23.7916, 0.2756, 0.3094** is the 20% darker color. If you saturate the color by 10%, you get **44.8034, 0.2682, 0.3040**, and if you desaturate by 10%, it is **54.5940, 0.2986, 0.3219**.

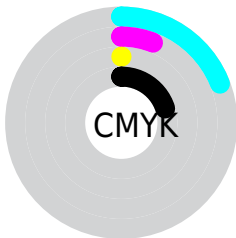
# Distribution



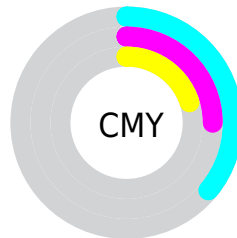
- Red (64%)
- Green (75%)
- Blue (80%)



- Red (64%)
- Yellow (71%)
- Blue (80%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)




- Cyan (36%)
- Magenta (25%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4659, 0.2833, 0.3133 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 49.4659, 0.2833, 0.3133 by changing the saturation by 10% instead.





 49.4659, 0.2833,  
0.3133

 49.4659, 0.2833,  
0.3133

384.5736, 0.2977,  
0.3212

 34.9892, 0.2798,  
0.3113

 89.3830, 0.2885,  
0.3162

 23.6546, 0.2753,  
0.3088


 115.5922, 0.2904,  
0.3173

 15.0776, 0.2694,  
0.3054


146.4811, 0.2921,  
0.3182

 8.8738, 0.2614,  
0.3006

182.4340, 0.2936,  
0.3189

 4.6590, 0.2498,  
0.2935

223.8353, 0.2948,  
0.3196

 2.0486, 0.2314,  
0.2819

271.0694, 0.2959,

 0.6355, 0.1812,

0.3202

0.2588

324.5207, 0.2969,  
0.3207

0.0000, 0.0000,  
0.0000

49.4659, 0.2833,  
0.3133

49.4659, 0.2833,  
0.3133

44.8034, 0.2682,  
0.3040

54.5940, 0.2986,  
0.3219

40.5827, 0.2536,  
0.2939

60.1984, 0.3140,  
0.3296

36.7868, 0.2400,  
0.2831

66.2967, 0.3290,  
0.3365

33.3947, 0.2276,  
0.2719

72.9039, 0.3436,  
0.3427

30.3837, 0.2169,  
0.2603

77.9755, 0.3498,  
0.3487

■ 27.7277, 0.2080,  
0.2485

■ 81.3704, 0.3486,  
0.3549

■ 25.3964, 0.2011,  
0.2368

■ 84.8902, 0.3473,  
0.3610

■ 23.3394, 0.1961,  
0.2253

■ 88.5363, 0.3462,  
0.3670

■ 23.1784, 0.1957,  
0.2244

■ 92.3098, 0.3450,  
0.3729

# Harmonies

## Analogous

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



49.4659, 0.2867, 0.3262



49.4659, 0.2833, 0.3133



49.4659, 0.2876, 0.3051

# Triad

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



49.4659, 0.2833, 0.3133



49.4659, 0.3285, 0.3180



49.4659, 0.3266, 0.3560

# Complementary

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



49.4659, 0.2833, 0.3133



46.4594, 0.3473, 0.3442

# 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.



49.4659, 0.3383, 0.3530



49.4659, 0.2833, 0.3133



49.4659, 0.3394, 0.3309

# Square

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



49.4659, 0.2833, 0.3133



49.4659, 0.3134, 0.3080



49.4659, 0.3431, 0.3437



49.4659, 0.3114, 0.3514



# Rectangle

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



49.4659, 0.2833, 0.3133



49.4659, 0.2942, 0.3031



49.4659, 0.3431, 0.3437



49.4659, 0.3311, 0.3558

# Sweetspot

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



49.4679, 0.2833, 0.3133



94.2381, 0.3034, 0.3243



53.7368, 0.3023, 0.3651



20.0405, 0.3024, 0.3238



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

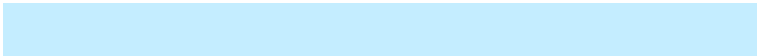


# Same Dimension

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



49.4679, 0.2833, 0.3133



79.5170, 0.2770, 0.3095



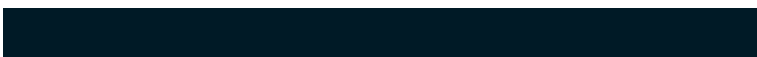
41.6586, 0.2818, 0.2875



12.1202, 0.2983, 0.3217



14.9181, 0.1961, 0.2260



0.9004, 0.2024, 0.2485



# Inverse Universe

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



43.0308, 0.3253, 0.2959



67.0069, 0.3286, 0.2885



54.5060, 0.3430, 0.3673



11.3425, 0.3184, 0.3131



9.3090, 0.4169, 0.2070

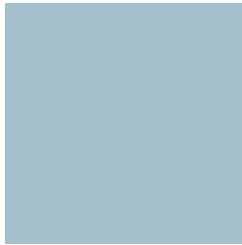


0.4934, 0.3938, 0.1943



# Previews

## White Background



This preview shows how the Yxy color 49.4659, 0.2833, 0.3133 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

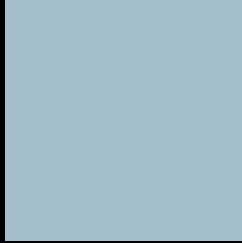
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.4659, 0.2833, 0.3133 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

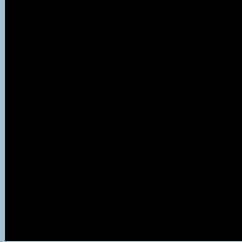
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

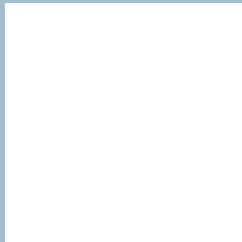
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.4659, 0.2833, 0.3133**

## Background



This preview shows how black text looks on a background with the Yxy color 49.4659, 0.2833, 0.3133.



This preview shows how white text looks on a background with the Yxy color 49.4659, 0.2833, 0.3133.

# 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

49.4659, 0.2833, 0.3133

### Protanopia

49.2605, 0.3029, 0.3114

### Deuteranopia

49.1913, 0.3066, 0.2998



## Tritanopia

49.7172, 0.2820, 0.3096

# Trichromacy



## Original Color

49.4659, 0.2833, 0.3133

## Protanomaly

49.1758, 0.2958, 0.3124

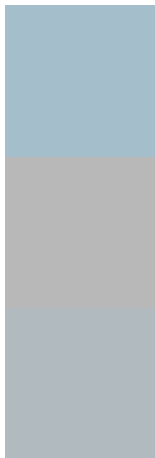
## Deuteranomaly

49.2479, 0.2976, 0.3052

## Tritanomaly

49.6687, 0.2826, 0.3108

# Monochromacy



## Original Color

49.4659, 0.2833, 0.3133

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.6493, 0.3015, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4659, 0.2833, 0.3133 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(164, 191, 203)` looks like.

```
.text, #text, p{  
    color:rgb(164, 191, 203)  
}
```

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(164, 191, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 191, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4659, 0.2833, 0.3133 is called "border". The border property can be set on classes, ids or directly on the HTML element.

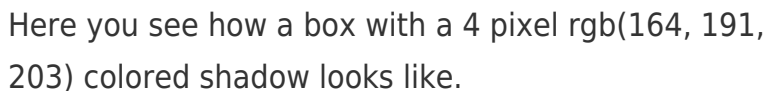
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 191, 203) }
```

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

```
.border{ border-color:rgb(164, 191, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(164, 191, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 191, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 191, 203); box-shadow:4px 4px 4px 4px rgb(164, 191, 203) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4659, 0.2833, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 191, 203) }
```

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

```
.background{ background-color: rgb(164,  
191, 203) }
```

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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