

# Converting Colors

$Y_{xy}(52.9733, 0.2856, 0.3184)$

Have a look what the booklet for  
Yxy(52.9733, 0.2856, 0.3184)  
contains.

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# Color

**Yxy(52.8238, 0.2853, 0.3175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9C5CE
RGB	169, 197, 206
RGB Percent	66%, 77%, 81%
CMY	0.3373, 0.2274, 0.1922
CMYK	0.18, 0.04, 0.00, 0.19
HSL	195°, 27%, 74%
HSV	195°, 18%, 81%
XYZ	47.4666, 52.8238, 66.0838
YIQ	189.6540, -19.5770, -3.1370

# Conversions

## Conversions Part 2

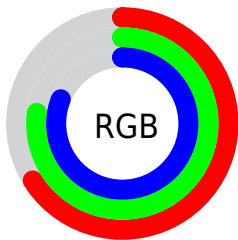
Format	Color
R <sub>Y</sub> B	169, 185, 206
Decimal	11126222
CIE Lab	77.77, -7.49, -7.66
CIE LCh	78, 10.715, 225.628
Yxy	52.8238, 0.2853, 0.3175
Android (android.graphics.Color)	4289316302 (0xFFA9C5CE)
YUV	189.6540, 8.0586, -18.1136
Hunter-Lab	72.6800, -10.6135, -3.0331

# Details

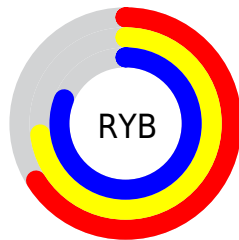
The Yxy color **52.8238, 0.2853, 0.3175** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.8176, 0.3453, 0.3402**, and the grayscale version is **51.2444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1112, 0.2946, 0.3279**, and **25.6249, 0.2775, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **48.4895, 0.2705, 0.3103**, and if you desaturate by 10%, it is **57.5968, 0.3005, 0.3241**.

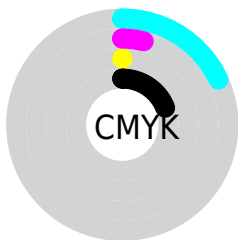
# Distribution



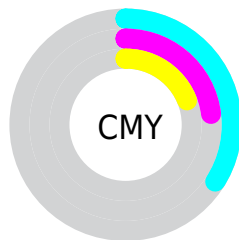
- Red (66%)
- Green (77%)
- Blue (81%)



- Red (66%)
- Yellow (73%)
- Blue (81%)



- Cyan (18%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)



- Cyan (34%)
- Magenta (23%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8238, 0.2853, 0.3175 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 52.8238, 0.2853, 0.3175 by changing the saturation by 10% instead.



■ 52.8238, 0.2853,  
0.3175

■ 52.8238, 0.2853,  
0.3175

■ 397.6087, 0.2986,  
0.3233

■ 37.6621, 0.2821,  
0.3161

■ 94.3450, 0.2901,  
0.3196

■ 25.7206, 0.2780,  
0.3142

■ 121.4734, 0.2919,  
0.3204

■ 16.6147, 0.2728,  
0.3118

■ 153.3594, 0.2934,  
0.3210

■ 9.9602, 0.2656,  
0.3084

■ 190.3876, 0.2947,  
0.3216

■ 5.3726, 0.2553,  
0.3033

■ 232.9422, 0.2959,  
0.3221

■ 2.4675, 0.2394,  
0.2951

■ 281.4076, 0.2969,

■ 0.8603, 0.2073,

0.3225

0.2810

336.1684, 0.2978,  
0.3229

0.0000, 0.0000,  
0.0000

52.8238, 0.2853,  
0.3175

52.8238, 0.2853,  
0.3175

48.4895, 0.2705,  
0.3103

57.5968, 0.3005,  
0.3241

44.5700, 0.2564,  
0.3025

62.8183, 0.3158,  
0.3302

41.0485, 0.2434,  
0.2942

68.5060, 0.3310,  
0.3356

37.9045, 0.2317,  
0.2855

74.6745, 0.3459,  
0.3404

35.1153, 0.2217,  
0.2766

77.9722, 0.3477,  
0.3453

■ 32.6554, 0.2135,  
0.2676

■ 80.6701, 0.3468,  
0.3503

■ 30.4948, 0.2073,  
0.2586

■ 83.4476, 0.3459,  
0.3552

■ 28.5902, 0.2030,  
0.2497

■ 86.3053, 0.3450,  
0.3601

■ 28.2201, 0.2022,  
0.2478

■ 89.2439, 0.3441,  
0.3649

# Harmonies

## Analogous

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



52.8238, 0.2905, 0.3303



52.8238, 0.2853, 0.3175



52.8238, 0.2872, 0.3082

# Triad

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



52.8238, 0.2853, 0.3175



52.8238, 0.3236, 0.3156



52.8238, 0.3295, 0.3542

# Complementary

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



52.8238, 0.2853, 0.3175



47.8176, 0.3453, 0.3402

# 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.



52.8238, 0.3387, 0.3494



52.8238, 0.2853, 0.3175



52.8238, 0.3354, 0.3272

# Square

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



52.8238, 0.2853, 0.3175



52.8238, 0.3091, 0.3074



52.8238, 0.3410, 0.3395



52.8238, 0.3158, 0.3519



# Rectangle

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



52.8238, 0.2853, 0.3175



52.8238, 0.2923, 0.3052



52.8238, 0.3410, 0.3395



52.8238, 0.3332, 0.3533

# Sweetspot

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



52.8260, 0.2853, 0.3175



95.7015, 0.3050, 0.3260



55.7741, 0.3046, 0.3659



20.3580, 0.3039, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

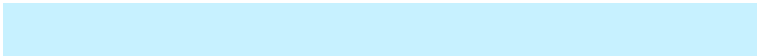


# Same Dimension

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



52.8260, 0.2853, 0.3175



82.4805, 0.2789, 0.3145



45.0732, 0.2841, 0.2937



12.2473, 0.2983, 0.3232



17.5357, 0.2026, 0.2492



1.0183, 0.2074, 0.2665



# Inverse Universe

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



45.5249, 0.3223, 0.2952



68.4341, 0.3251, 0.2868



55.5232, 0.3415, 0.3620



11.3553, 0.3174, 0.3116



9.5732, 0.3931, 0.1939



0.5053, 0.3761, 0.1846



# Previews

## White Background



This preview shows how the Yxy color 52.8238, 0.2853, 0.3175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

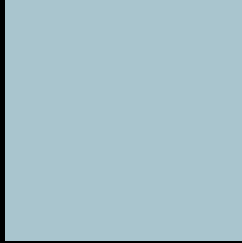
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.8238, 0.2853, 0.3175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

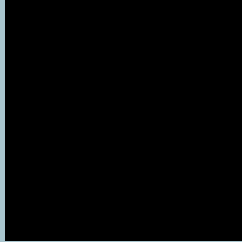
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

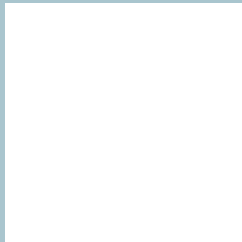
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.8238, 0.2853, 0.3175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.8238, 0.2853, 0.3175.



This preview shows how white text looks on a background with the Yxy color 52.8238, 0.2853, 0.3175.

# 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

52.8238, 0.2853, 0.3175

### Protanopia

52.7323, 0.3053, 0.3155

### Deuteranopia

52.3684, 0.3098, 0.3029



## Tritanopia

52.7794, 0.2820, 0.3088

# Trichromacy



## Original Color

52.8238, 0.2853, 0.3175

## Protanomaly

52.6421, 0.2983, 0.3165

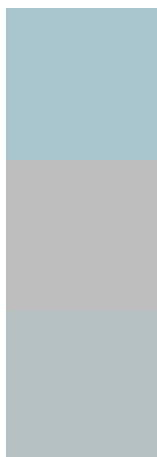
## Deuteranomaly

52.4083, 0.3009, 0.3082

## Tritanomaly

52.6790, 0.2833, 0.3113

# Monochromacy



## Original Color

52.8238, 0.2853, 0.3175

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

52.0705, 0.3018, 0.3252

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.8238, 0.2853, 0.3175 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(169, 197, 206)` looks like.

```
.text, #text, p{  
    color:rgb(169, 197, 206)  
}
```

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(169, 197, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 197, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8238, 0.2853, 0.3175 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(169, 197, 206) }
```

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

```
.border{ border-color:rgb(169, 197, 206) }
```

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

Here you see how a box with a 4 pixel rgb(169, 197, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 197, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 197, 206);  
box-shadow:4px 4px 4px 4px rgb(169, 197,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8238, 0.2853, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 197, 206) }
```

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

```
.background{ background-color: rgb(169,  
197, 206) }
```

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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