

# Converting Colors

$Yxy(53.3409, 0.2884, 0.3246)$

Have a look what the booklet for  
Yxy(53.3409, 0.2884, 0.3246)  
contains.

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# Color

**Yxy(53.0875, 0.2880, 0.3238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9C6CA
RGB	169, 198, 202
RGB Percent	66%, 78%, 79%
CMY	0.3373, 0.2235, 0.2078
CMYK	0.16, 0.02, 0.00, 0.21
HSL	187°, 24%, 73%
HSV	187°, 16%, 79%
XYZ	47.2180, 53.0875, 63.6460
YIQ	189.7850, -18.5680, -4.9040

# Conversions

## Conversions Part 2

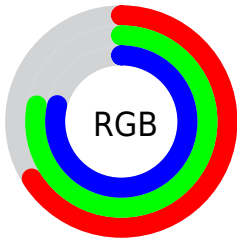
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 184, 202
Decimal	11126474
CIELab	77.93, -8.86, -5.28
CIElCh	78, 10.313, 210.808
Yxy	53.0875, 0.2880, 0.3238
Android (android.graphics.Color)	4289316554 (0xFFA9C6CA)
YUV	189.7850, 6.0220, -18.2284
Hunter-Lab	72.8612, -11.8293, -0.7884

# Details

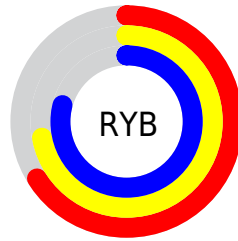
The Yxy color **53.0875, 0.2880, 0.3238** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.3160, 0.3426, 0.3341**, and the grayscale version is **51.3366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **25.7976, 0.2811, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **49.9113, 0.2737, 0.3203**, and if you desaturate by 10%, it is **56.6315, 0.3030, 0.3271**.

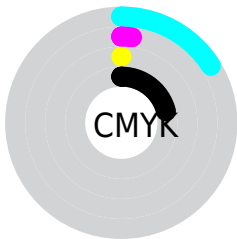
# Distribution



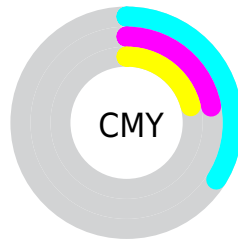
- Red (66%)
- Green (78%)
- Blue (79%)



- Red (66%)
- Yellow (72%)
- Blue (79%)



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (21%)




- Cyan (34%)
- Magenta (22%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0875, 0.2880, 0.3238 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 53.0875, 0.2880, 0.3238 by changing the saturation by 10% instead.





 53.0875, 0.2880,  
0.3238


 53.0875, 0.2880,  
0.3238

398.6207, 0.3000,  
0.3265

 37.8726, 0.2851,  
0.3231

 94.7331, 0.2923,  
0.3248

 25.8838, 0.2814,  
0.3222


 121.9326, 0.2939,  
0.3251

 16.7368, 0.2767,  
0.3211

153.8958, 0.2953,  
0.3255

 10.0470, 0.2702,  
0.3194

191.0071, 0.2965,  
0.3257

 5.4301, 0.2608,  
0.3168

233.6508, 0.2976,  
0.3259

 2.5018, 0.2463,  
0.3126

282.2114, 0.2985,

 0.8775, 0.2155,

0.3261

0.3061

337.0733, 0.2993,  
0.3263

0.0000, 0.0000,  
0.0000

53.0875, 0.2880,  
0.3238

53.0875, 0.2880,  
0.3238

49.9113, 0.2737,  
0.3203

56.6315, 0.3030,  
0.3271

47.0805, 0.2605,  
0.3165

60.5516, 0.3184,  
0.3301

44.5801, 0.2485,  
0.3125

64.8639, 0.3339,  
0.3328

42.3915, 0.2381,  
0.3084

69.5818, 0.3494,  
0.3352

40.4940, 0.2294,  
0.3042

71.7596, 0.3529,  
0.3376

■ 38.8645, 0.2227,  
0.2999

■ 72.9841, 0.3524,  
0.3401

■ 37.4759, 0.2179,  
0.2956

■ 74.2273, 0.3519,  
0.3426

■ 36.2936, 0.2148,  
0.2915

■ 75.4893, 0.3514,  
0.3450

■ 35.8889, 0.2139,  
0.2899

■ 76.7702, 0.3509,  
0.3475

# Harmonies

## Analogous

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



53.0875, 0.2960, 0.3365



53.0875, 0.2880, 0.3238



53.0875, 0.2864, 0.3129

# Triad

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



53.0875, 0.2880, 0.3238



53.0875, 0.3164, 0.3116



53.0875, 0.3339, 0.3517

# Complementary

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



53.0875, 0.2880, 0.3238



45.3160, 0.3426, 0.3341

# 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.



53.0875, 0.3397, 0.3444



53.0875, 0.2880, 0.3238



53.0875, 0.3295, 0.3215

# Square

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



53.0875, 0.2880, 0.3238



53.0875, 0.3026, 0.3062



53.0875, 0.3381, 0.3333



53.0875, 0.3225, 0.3529



# Rectangle

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



53.0875, 0.2880, 0.3238



53.0875, 0.2892, 0.3080



53.0875, 0.3381, 0.3333



53.0875, 0.3366, 0.3499

# Sweetspot

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



53.0897, 0.2880, 0.3238



96.6763, 0.3049, 0.3275



53.6959, 0.3080, 0.3674



20.5956, 0.3038, 0.3272



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

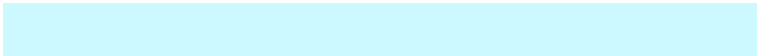


# Same Dimension

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



53.0897, 0.2880, 0.3238



87.6843, 0.2823, 0.3224



46.0152, 0.2871, 0.3024



12.4851, 0.2983, 0.3261



23.1772, 0.2140, 0.2905



1.2628, 0.2163, 0.2987



# Inverse Universe

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



45.0119, 0.3180, 0.2936



71.2727, 0.3194, 0.2849



51.9743, 0.3394, 0.3543



11.3793, 0.3156, 0.3089



10.1427, 0.3539, 0.1723

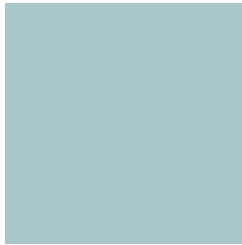


0.5300, 0.3466, 0.1683



# Previews

## White Background



This preview shows how the Yxy color 53.0875, 0.2880, 0.3238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

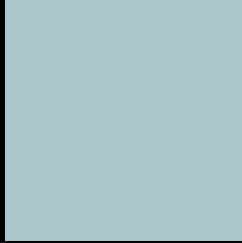
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0875, 0.2880, 0.3238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

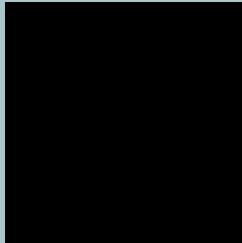
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

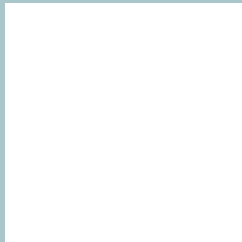
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.0875, 0.2880, 0.3238**

## Background



This preview shows how black text looks on a background with the Yxy color 53.0875, 0.2880, 0.3238.



This preview shows how white text looks on a background with the Yxy color 53.0875, 0.2880, 0.3238.

# 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

53.0875, 0.2880, 0.3238

### Protanopia

52.8082, 0.3099, 0.3204

### Deuteranopia

52.8794, 0.3145, 0.3088



## Tritanopia

52.8912, 0.2827, 0.3088

# Trichromacy



## Original Color

53.0875, 0.2880, 0.3238

## Protanomaly

53.0214, 0.3020, 0.3227

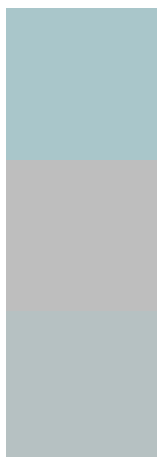
## Deuteranomaly

52.7799, 0.3046, 0.3143

## Tritanomaly

53.0326, 0.2847, 0.3150

# Monochromacy



## Original Color

53.0875, 0.2880, 0.3238

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

51.9801, 0.3032, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0875, 0.2880, 0.3238 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, 198, 202)` looks like.

```
.text, #text, p{  
    color:rgb(169, 198, 202)  
}
```

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, 198, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 198, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0875, 0.2880, 0.3238 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, 198, 202) }
```

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

```
.border{ border-color:rgb(169, 198, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 198, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 198, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 198, 202);  
box-shadow:4px 4px 4px 4px rgb(169, 198,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0875, 0.2880, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 198, 202) }
```

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

```
.background{ background-color: rgb(169,  
198, 202) }
```

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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