

# Converting Colors

$Y_{xy}(52.2755, 0.2822, 0.3273)$

Have a look what the booklet for  
Yxy(52.2755, 0.2822, 0.3273)  
contains.

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# Color

**Yxy(52.3879, 0.2823, 0.3276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FC7C8
RGB	159, 199, 200
RGB Percent	62%, 78%, 78%
CMY	0.3766, 0.2196, 0.2156
CMYK	0.21, 0.01, 0.00, 0.22
HSL	181°, 27%, 70%
HSV	181°, 21%, 78%
XYZ	45.1438, 52.3879, 62.3825
YIQ	187.1540, -24.1610, -8.1690

# Conversions

## Conversions Part 2

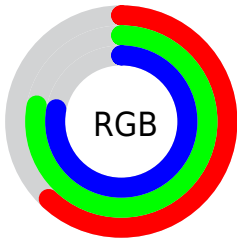
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	159, 179, 200
Decimal	10471368
CIE Lab	77.51, -12.96, -4.88
CIE LCh	78, 13.847, 200.648
Yxy	52.3879, 0.2823, 0.3276
Android (android.graphics.Color)	4288661448 (0xFF9FC7C8)
YUV	187.1540, 6.3331, -24.6911
Hunter-Lab	72.3795, -15.3319, -0.4353

# Details

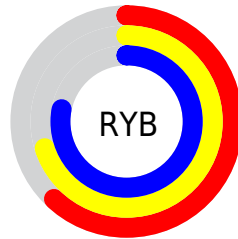
The Yxy color **52.3879, 0.2823, 0.3276** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.9172, 0.3530, 0.3304**, and the grayscale version is **49.7580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **25.4519, 0.2747, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **50.2838, 0.2690, 0.3269**, and if you desaturate by 10%, it is **54.8278, 0.2967, 0.3283**.

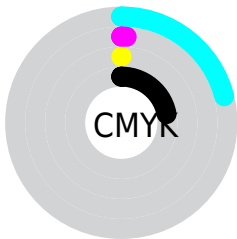
# Distribution



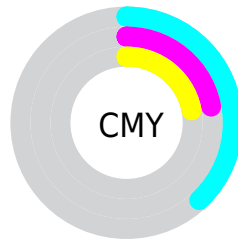
- Red (62%)
- Green (78%)
- Blue (78%)



- Red (62%)
- Yellow (70%)
- Blue (78%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3879, 0.2823, 0.3276 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 52.3879, 0.2823, 0.3276 by changing the saturation by 10% instead.





 52.3879, 0.2823,  
0.3276


 52.3879, 0.2823,  
0.3276


395.9323, 0.2971,  
0.3285

 37.3144, 0.2787,  
0.3273


 93.7031, 0.2876,  
0.3279

 25.4510, 0.2742,  
0.3270


 120.7135, 0.2896,  
0.3281

 16.4134, 0.2683,  
0.3265


152.4716, 0.2913,  
0.3282

 9.8171, 0.2603,  
0.3257

189.3619, 0.2928,  
0.3282

 5.2779, 0.2488,  
0.3244

231.7687, 0.2941,  
0.3283

 2.4112, 0.2308,  
0.3220

280.0765, 0.2952,

 0.8316, 0.1837,

0.3284

0.3222

334.6695, 0.2962,  
0.3284

0.0000, 0.0000,  
0.0000

52.3879, 0.2823,  
0.3276

52.3879, 0.2823,  
0.3276

50.2838, 0.2690,  
0.3269

54.8278, 0.2967,  
0.3283

48.4932, 0.2571,  
0.3261

57.6120, 0.3119,  
0.3290

47.0011, 0.2468,  
0.3253

60.7565, 0.3276,  
0.3296

45.7887, 0.2383,  
0.3244

64.2744, 0.3436,  
0.3301

44.8348, 0.2317,  
0.3236

67.4155, 0.3563,  
0.3306

■ 44.1157, 0.2270,  
0.3228

■ 67.6444, 0.3562,  
0.3311

■ 43.6028, 0.2241,  
0.3220

■ 67.8740, 0.3561,  
0.3316

■ 43.2565, 0.2226,  
0.3213

■ 68.1044, 0.3560,  
0.3321

■ 68.3355, 0.3559,  
0.3326

# Harmonies

## Analogous

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



52.3879, 0.2954, 0.3447



52.3879, 0.2823, 0.3276



52.3879, 0.2771, 0.3115

# Triad

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



52.3879, 0.2823, 0.3276



52.3879, 0.3111, 0.3026



52.3879, 0.3450, 0.3570

# Complementary

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



52.3879, 0.2823, 0.3276



39.9172, 0.3530, 0.3304

# 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.



52.3879, 0.3496, 0.3448



52.3879, 0.2823, 0.3276



52.3879, 0.3298, 0.3139

# Square

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



52.3879, 0.2823, 0.3276



52.3879, 0.2934, 0.2978



52.3879, 0.3440, 0.3292



52.3879, 0.3316, 0.3619



# Rectangle

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



52.3879, 0.2823, 0.3276



52.3879, 0.2788, 0.3036



52.3879, 0.3440, 0.3292



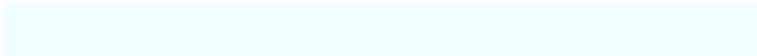
52.3879, 0.3477, 0.3536

# Sweetspot

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



52.3900, 0.2823, 0.3276



96.9745, 0.3034, 0.3286



51.2085, 0.3096, 0.3842



20.6890, 0.3024, 0.3286



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.



52.3900, 0.2823, 0.3276



88.8588, 0.2757, 0.3272



43.7029, 0.2805, 0.3005



12.0214, 0.2984, 0.3284



27.5207, 0.2226, 0.3214



1.3175, 0.2231, 0.3230



# Inverse Universe

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



41.1926, 0.3160, 0.2797



65.7508, 0.3168, 0.2680



47.4975, 0.3480, 0.3559



10.8120, 0.3141, 0.3068



10.3182, 0.3270, 0.1575



0.4900, 0.3257, 0.1568



# Previews

## White Background



This preview shows how the Yxy color 52.3879, 0.2823, 0.3276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

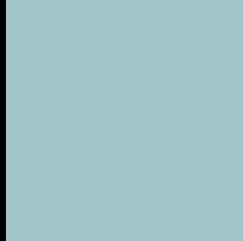
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.3879, 0.2823, 0.3276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

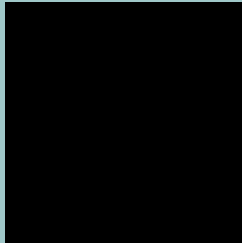
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

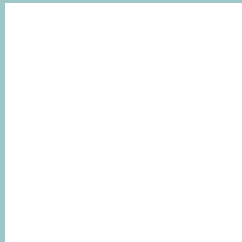
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.3879, 0.2823, 0.3276**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.3879, 0.2823, 0.3276.

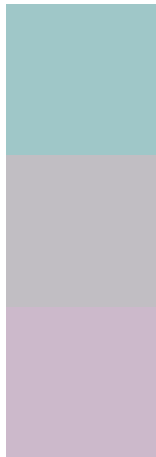


This preview shows how white text looks on a background with the Yxy color 52.3879, 0.2823, 0.3276.

# 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

52.3879, 0.2823, 0.3276

### Protanopia

52.1045, 0.3114, 0.3228

### Deuteranopia

51.8471, 0.3146, 0.3075



## Tritanopia

52.4180, 0.2759, 0.3085

# Trichromacy



**Original Color**

52.3879, 0.2823, 0.3276

**Protanomaly**

51.9949, 0.3003, 0.3239

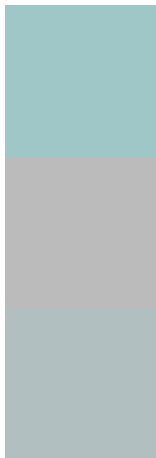
**Deuteranomaly**

51.7825, 0.3022, 0.3141

**Tritanomaly**

52.5193, 0.2785, 0.3161

# Monochromacy



**Original Color**

52.3879, 0.2823, 0.3276

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

50.4145, 0.3008, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  52.3879, 0.2823, 0.3276 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(159, 199, 200)` looks like.

```
.text, #text, p{  
    color:rgb(159, 199, 200)  
}
```

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(159, 199, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 199, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3879, 0.2823, 0.3276 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(159, 199, 200) }
```

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

```
.border{ border-color:rgb(159, 199, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 199, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 199, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 199, 200);  
box-shadow:4px 4px 4px 4px rgb(159, 199,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3879, 0.2823, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 199, 200) }
```

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

```
.background{ background-color: rgb(159,  
199, 200) }
```

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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