

# Converting Colors

$Y_{xy}(44.1119, 0.2824, 0.3166)$

Have a look what the booklet for  
Yxy(44.1119, 0.2824, 0.3166)  
contains.

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# Color

**Yxy(43.9898, 0.2826, 0.3165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99B6BF
RGB	153, 182, 191
RGB Percent	60%, 71%, 75%
CMY	0.3998, 0.2863, 0.2509
CMYK	0.20, 0.05, 0.00, 0.25
HSL	194°, 23%, 67%
HSV	194°, 20%, 75%
XYZ	39.2781, 43.9898, 55.7204
YIQ	174.3550, -20.1730, -3.3490

# Conversions

## Conversions Part 2

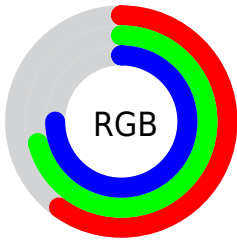
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 169, 191
Decimal	10073791
CIELab	72.22, -7.84, -7.87
CIELCh	72, 11.106, 225.102
Yxy	43.9898, 0.2826, 0.3165
Android (android.graphics.Color)	4288263871 (0xFF99B6BF)
YUV	174.3550, 8.2060, -18.7283
Hunter-Lab	66.3248, -10.3592, -3.3830

# Details

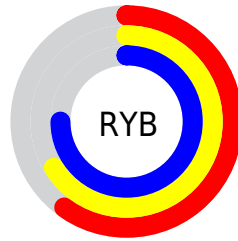
The Yxy color **43.9898, 0.2826, 0.3165** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.2518, 0.3492, 0.3412**, and the grayscale version is **42.4905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2744, 0.2884, 0.3194**, and **20.3022, 0.2734, 0.3117** is the 20% darker color. If you saturate the color by 10%, you get **40.4476, 0.2680, 0.3094**, and if you desaturate by 10%, it is **47.8936, 0.2977, 0.3231**.

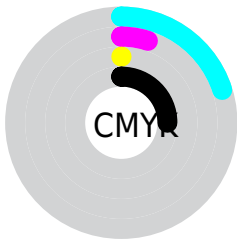
# Distribution



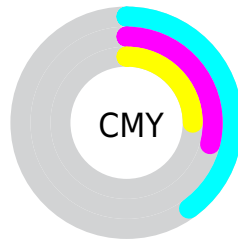
- Red (60%)
- Green (71%)
- Blue (75%)



- Red (60%)
- Yellow (66%)
- Blue (75%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (25%)




- Cyan (40%)
- Magenta (29%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9898, 0.2826, 0.3165 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 43.9898, 0.2826, 0.3165 by changing the saturation by 10% instead.




 43.9898, 0.2826,  
0.3165

 43.9898, 0.2826,  
0.3165


362.6667, 0.2977,  
0.3230

 30.6625, 0.2788,  
0.3148


 81.2024, 0.2881,  
0.3189

 20.3420, 0.2740,  
0.3126


 105.8565, 0.2901,  
0.3198

 12.6439, 0.2676,  
0.3096


135.0549, 0.2919,  
0.3205

 7.1838, 0.2586,  
0.3053

169.1821, 0.2934,  
0.3212

 3.5773, 0.2452,  
0.2987

208.6225, 0.2947,  
0.3217

 1.4400, 0.2233,  
0.2869

253.7605, 0.2958,

 0.2460, 0.0383,

0.3222

0.2223

304.9804, 0.2968,  
0.3226

0.0000, 0.0000,  
0.0000

43.9898, 0.2826,  
0.3165

43.9898, 0.2826,  
0.3165

40.4476, 0.2680,  
0.3094

47.8936, 0.2977,  
0.3231

37.2468, 0.2542,  
0.3017

52.1673, 0.3129,  
0.3291

34.3735, 0.2415,  
0.2936

56.8257, 0.3281,  
0.3345

31.8103, 0.2302,  
0.2851

61.8810, 0.3430,  
0.3393

29.5381, 0.2205,  
0.2764

67.3448, 0.3575,  
0.3435

■ 27.5351, 0.2128,  
0.2676

■ 70.7459, 0.3615,  
0.3479

■ 25.7758, 0.2070,  
0.2588

■ 73.0109, 0.3604,  
0.3525

■ 24.2111, 0.2029,  
0.2502

■ 75.3400, 0.3593,  
0.3571

■ 24.1917, 0.2028,  
0.2500

■ 77.7337, 0.3582,  
0.3616

# Harmonies

## Analogous

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



43.9898, 0.2884, 0.3306



43.9898, 0.2826, 0.3165



43.9898, 0.2846, 0.3063

# Triad

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



43.9898, 0.2826, 0.3165



43.9898, 0.3245, 0.3140



43.9898, 0.3314, 0.3567

# Complementary

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



43.9898, 0.2826, 0.3165



39.2518, 0.3492, 0.3412

# 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.



43.9898, 0.3415, 0.3513



43.9898, 0.2826, 0.3165



43.9898, 0.3375, 0.3267

# Square

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



43.9898, 0.2826, 0.3165



43.9898, 0.3084, 0.3052



43.9898, 0.3438, 0.3403



43.9898, 0.3164, 0.3544



# Rectangle

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



43.9898, 0.2826, 0.3165



43.9898, 0.2901, 0.3028



43.9898, 0.3438, 0.3403



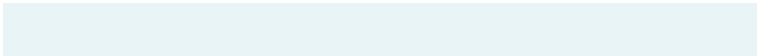
43.9898, 0.3355, 0.3557

# Sweetspot

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



43.9916, 0.2826, 0.3165



88.5712, 0.3034, 0.3254



46.6529, 0.3038, 0.3700



19.3399, 0.3024, 0.3250



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

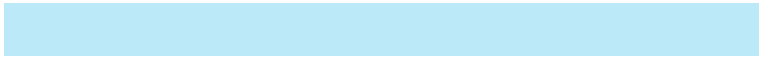


# Same Dimension

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



43.9916, 0.2826, 0.3165



75.8347, 0.2759, 0.3133



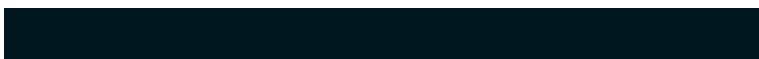
36.7989, 0.2810, 0.2897



10.4144, 0.2985, 0.3234



16.0243, 0.2031, 0.2512



0.7225, 0.2089, 0.2720



# Inverse Universe

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



37.2571, 0.3233, 0.2914



61.6946, 0.3261, 0.2826



46.3856, 0.3446, 0.3654



9.6564, 0.3173, 0.3117



8.6474, 0.3910, 0.1928



0.3483, 0.3710, 0.1817



# Previews

## White Background



This preview shows how the Yxy color 43.9898, 0.2826, 0.3165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

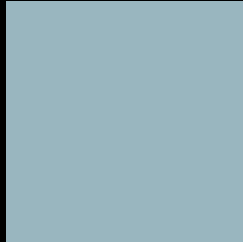
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.9898, 0.2826, 0.3165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

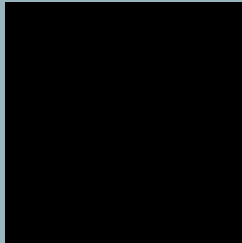
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

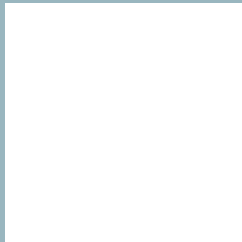
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.9898, 0.2826, 0.3165**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.9898, 0.2826, 0.3165.



This preview shows how white text looks on a background with the Yxy color 43.9898, 0.2826, 0.3165.

# 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

43.9898, 0.2826, 0.3165

### Protanopia

43.9856, 0.3048, 0.3145

### Deuteranopia

43.7944, 0.3078, 0.3021



## Tritanopia

43.9033, 0.2798, 0.3085

# Trichromacy



## Original Color

43.9898, 0.2826, 0.3165

## Protanomaly

43.7965, 0.2964, 0.3155

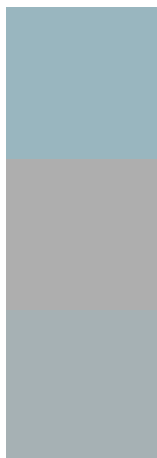
## Deuteranomaly

43.8551, 0.2983, 0.3079

## Tritanomaly

43.8128, 0.2811, 0.3111

# Monochromacy



## Original Color

43.9898, 0.2826, 0.3165

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

42.8466, 0.3009, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9898, 0.2826, 0.3165 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(153, 182, 191)` looks like.

```
.text, #text, p{  
    color:rgb(153, 182, 191)  
}
```

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(153, 182, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 182, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9898, 0.2826, 0.3165 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(153, 182, 191) }
```

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

```
.border{ border-color:rgb(153, 182, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 182, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 182, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 182, 191);  
box-shadow:4px 4px 4px 4px rgb(153, 182,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9898, 0.2826, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 182, 191) }
```

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

```
.background{ background-color: rgb(153,  
182, 191) }
```

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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