

# Converting Colors

$Y_{xy}(43.5810, 0.2758, 0.3023)$

Have a look what the booklet for  
Yxy(43.5810, 0.2758, 0.3023)  
contains.

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# Color

**Yxy(43.4880, 0.2754, 0.3017)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	98B4C8
RGB	152, 180, 200
RGB Percent	60%, 71%, 78%
CMY	0.4039, 0.2941, 0.2156
CMYK	0.24, 0.10, 0.00, 0.22
HSL	205°, 30%, 69%
HSV	205°, 24%, 78%
XYZ	39.6970, 43.4880, 60.9582
YIQ	173.9080, -23.1080, 0.2840

# Conversions

## Conversions Part 2

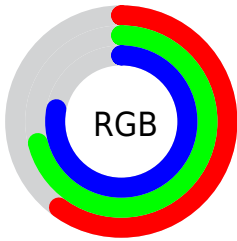
Format	Color
R <sub>Y</sub> B	152, 170, 200
Decimal	10007752
CIE Lab	71.88, -5.07, -13.31
CIE LCh	72, 14.243, 249.155
Yxy	43.4880, 0.2754, 0.3017
Android (android.graphics.Color)	4288197832 (0xFF98B4C8)
YUV	173.9080, 12.8634, -19.2133
Hunter-Lab	65.9454, -7.9532, -8.6443

# Details

The Yxy color **43.4880, 0.2754, 0.3017** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.0620, 0.3563, 0.3548**, and the grayscale version is **42.2206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4763, 0.2832, 0.3089**, and **19.9634, 0.2648, 0.2932** is the 20% darker color. If you saturate the color by 10%, you get **38.4534, 0.2597, 0.2884**, and if you desaturate by 10%, it is **49.0542, 0.2911, 0.3139**.

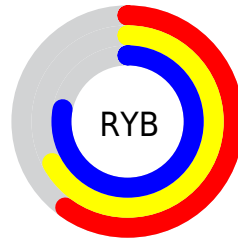
# Distribution



Red (60%)

Green (71%)

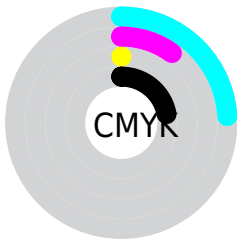
Blue (78%)



Red (60%)

Yellow (67%)

Blue (78%)

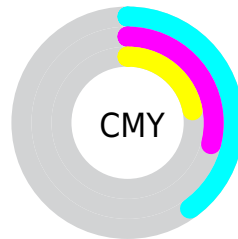


Cyan (24%)

Magenta (10%)

Yellow (0%)

Black (22%)



Cyan (40%)

Magenta (29%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4880, 0.2754, 0.3017 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 43.4880, 0.2754, 0.3017 by changing the saturation by 10% instead.



■ 43.4880, 0.2754,  
0.3017

■ 43.4880, 0.2754,  
0.3017

360.6148, 0.2941,  
0.3156

■ 30.2682, 0.2708,  
0.2982

■ 80.4468, 0.2822,  
0.3068

■ 20.0422, 0.2648,  
0.2936

■ 104.9545, 0.2847,  
0.3087

■ 12.4258, 0.2569,  
0.2874

133.9937, 0.2869,  
0.3103

■ 7.0343, 0.2459,  
0.2788

167.9487, 0.2887,  
0.3117

■ 3.4836, 0.2297,  
0.2657

207.2039, 0.2903,  
0.3129

■ 1.3891, 0.2036,  
0.2438

252.1437, 0.2917,

■ 0.2087, 0.0513,

0.3139

0.1435

303.1526, 0.2930,  
0.3148

0.0000, 0.0000,  
0.0000

43.4880, 0.2754,  
0.3017

43.4880, 0.2754,  
0.3017

38.4534, 0.2597,  
0.2884

49.0542, 0.2911,  
0.3139

33.9252, 0.2445,  
0.2740

55.1652, 0.3066,  
0.3249

29.8839, 0.2300,  
0.2588

61.8405, 0.3217,  
0.3348

26.3062, 0.2168,  
0.2429

69.0967, 0.3361,  
0.3436

23.1663, 0.2053,  
0.2268

76.9498, 0.3498,  
0.3513

■ 20.4350, 0.1958,  
0.2106

■ 82.0441, 0.3503,  
0.3594

■ 18.0776, 0.1885,  
0.1948

■ 86.7980, 0.3486,  
0.3674

■ 16.8086, 0.1849,  
0.1856

■ 91.7769, 0.3470,  
0.3753

■ 96.9512, 0.3454,  
0.3830

# Harmonies

## Analogous

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



43.4880, 0.2749, 0.3160



43.4880, 0.2754, 0.3017



43.4880, 0.2856, 0.2951

# Triad

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



43.4880, 0.2754, 0.3017



43.4880, 0.3419, 0.3225



43.4880, 0.3214, 0.3634

# Complementary

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



43.4880, 0.2754, 0.3017



44.0620, 0.3563, 0.3548

# 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.



43.4880, 0.3399, 0.3641



43.4880, 0.2754, 0.3017



43.4880, 0.3521, 0.3399

# Square

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



43.4880, 0.2754, 0.3017



43.4880, 0.3238, 0.3071



43.4880, 0.3513, 0.3552



43.4880, 0.3009, 0.3525



# Rectangle

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



43.4880, 0.2754, 0.3017



43.4880, 0.2967, 0.2956



43.4880, 0.3513, 0.3552



43.4880, 0.3280, 0.3648

# Sweetspot

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



43.4898, 0.2754, 0.3017



92.1139, 0.3019, 0.3216



50.9731, 0.2959, 0.3674



19.5755, 0.3009, 0.3210



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

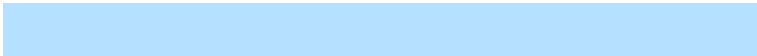


# Same Dimension

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



43.4898, 0.2754, 0.3017



70.4529, 0.2669, 0.2946



34.6240, 0.2726, 0.2676



11.2977, 0.2983, 0.3191



10.8653, 0.1855, 0.1877



0.6552, 0.1945, 0.2202



# Inverse Universe

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



38.0341, 0.3341, 0.2935



59.7192, 0.3403, 0.2852



54.0384, 0.3497, 0.3837



10.7389, 0.3200, 0.3156



8.6368, 0.4594, 0.2304

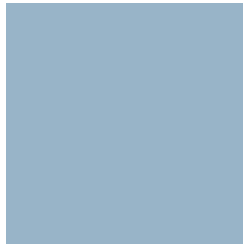


0.4232, 0.4230, 0.2104



# Previews

## White Background



This preview shows how the Yxy color 43.4880, 0.2754, 0.3017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

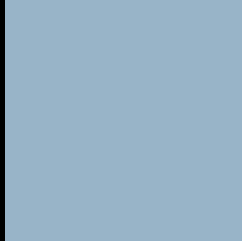
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.4880, 0.2754, 0.3017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

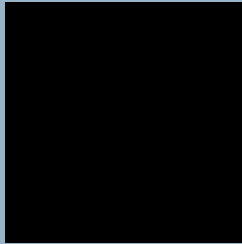
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

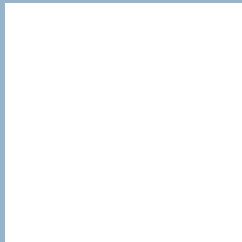
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.4880, 0.2754, 0.3017**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.4880, 0.2754, 0.3017.



This preview shows how white text looks on a background with the Yxy color 43.4880, 0.2754, 0.3017.

# 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

43.4880, 0.2754, 0.3017

### Protanopia

43.5754, 0.2937, 0.3001

### Deuteranopia

43.2138, 0.2964, 0.2893



## Tritanopia

43.5672, 0.2782, 0.3097

# Trichromacy



## Original Color

43.4880, 0.2754, 0.3017

## Protanomaly

43.5208, 0.2865, 0.3010

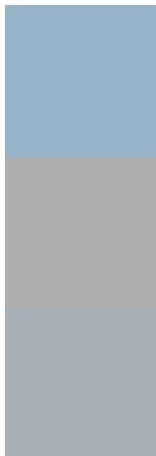
## Deuteranomaly

43.0352, 0.2882, 0.2935

## Tritanomaly

43.6583, 0.2768, 0.3070

# Monochromacy



## Original Color

43.4880, 0.2754, 0.3017

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

42.5766, 0.2986, 0.3194

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.4880, 0.2754, 0.3017 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(152, 180, 200)` looks like.

```
.text, #text, p{  
    color:rgb(152, 180, 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(152, 180, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 180, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 43.4880, 0.2754, 0.3017 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(152, 180, 200) }
```

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

```
.border{ border-color:rgb(152, 180, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 180, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 180, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 180, 200);  
box-shadow:4px 4px 4px 4px rgb(152, 180,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.4880, 0.2754, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 180, 200) }
```

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

```
.background{ background-color: rgb(152,  
180, 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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