

# Converting Colors

$Y_{xy}(48.4054, 0.2921, 0.3523)$

Have a look what the booklet for  
Yxy(48.4054, 0.2921, 0.3523)  
contains.

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# Color

**Yxy(48.4333, 0.2923, 0.3524)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	98C2B1
RGB	152, 194, 177
RGB Percent	60%, 76%, 69%
CMY	0.4040, 0.2392, 0.3058
CMYK	0.22, 0.00, 0.09, 0.24
HSL	156°, 26%, 68%
HSV	156°, 22%, 76%
XYZ	40.1733, 48.4333, 48.8319
YIQ	179.5040, -19.5750, -14.1910

# Conversions

## Conversions Part 2

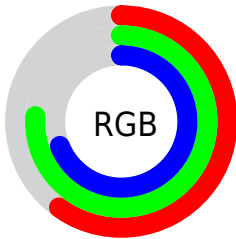
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 178, 194
Decimal	10011313
CIELab	75.10, -17.43, 3.98
CIELCh	75, 17.874, 167.150
Yxy	48.4333, 0.2923, 0.3524
Android (android.graphics.Color)	4288201393 (0xFF98C2B1)
YUV	179.5040, -1.2345, -24.1210
Hunter-Lab	69.5940, -18.7502, 7.1140

# Details

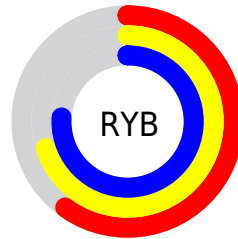
The Yxy color **48.4333, 0.2923, 0.3524** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.7814, 0.3389, 0.3068**, and the grayscale version is **45.3754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1430, 0.2959, 0.3481**, and **22.9207, 0.2867, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **46.4104, 0.2837, 0.3650**, and if you desaturate by 10%, it is **50.7844, 0.3015, 0.3409**.

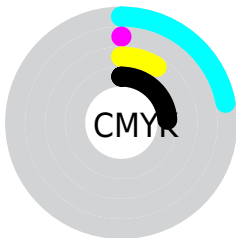
# Distribution



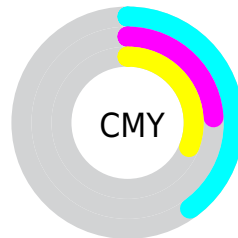
- Red (60%)
- Green (76%)
- Blue (69%)



- Red (60%)
- Yellow (70%)
- Blue (76%)



- Cyan (22%)
- Magenta (0%)
- Yellow (9%)
- Black (24%)



- Cyan (40%)
- Magenta (24%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4333, 0.2923, 0.3524 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 48.4333, 0.2923, 0.3524 by changing the saturation by 10% instead.




 48.4333, 0.2923,  
0.3524


 48.4333, 0.2923,  
0.3524


380.5071, 0.3025,  
0.3406

 34.1702, 0.2897,  
0.3554


 87.8492, 0.2960,  
0.3481

 23.0243, 0.2864,  
0.3592


 113.7707, 0.2974,  
0.3465

 14.6115, 0.2821,  
0.3644

144.3472, 0.2986,  
0.3451

 8.5472, 0.2759,  
0.3717

179.9630, 0.2996,  
0.3439

 4.4470, 0.2667,  
0.3828

221.0024, 0.3005,  
0.3429

 1.9266, 0.2513,  
0.4016

267.8500, 0.3013,

 0.5643, 0.1097,

0.3421

0.5577

320.8901, 0.3019,  
0.3413

0.0000, 0.0000,  
0.0000

48.4333, 0.2923,  
0.3524

48.4333, 0.2923,  
0.3524

46.4104, 0.2837,  
0.3650

50.7844, 0.3015,  
0.3409

44.6944, 0.2760,  
0.3786

53.4718, 0.3111,  
0.3306

43.2711, 0.2696,  
0.3931

56.5108, 0.3208,  
0.3214

42.1223, 0.2647,  
0.4083

59.9140, 0.3305,  
0.3132

41.2280, 0.2616,  
0.4239

63.6933, 0.3400,  
0.3060

■ 40.5653, 0.2605,  
0.4397

■ 65.2339, 0.3387,  
0.2986

■ 40.1071, 0.2614,  
0.4552

■ 65.6696, 0.3326,  
0.2909

■ 39.8386, 0.2633,  
0.4678

■ 66.1253, 0.3267,  
0.2834

■ 66.6011, 0.3209,  
0.2760

# Harmonies

## Analogous

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



48.4333, 0.3164, 0.3685



48.4333, 0.2923, 0.3524



48.4333, 0.2742, 0.3296

# Triad

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



48.4333, 0.2923, 0.3524



48.4333, 0.2848, 0.2879



48.4333, 0.3616, 0.3472

# Complementary

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



48.4333, 0.2923, 0.3524



36.7814, 0.3389, 0.3068

# 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.



48.4333, 0.3526, 0.3265



48.4333, 0.2923, 0.3524



48.4333, 0.3075, 0.2932

# Square

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



48.4333, 0.2923, 0.3524



48.4333, 0.2700, 0.2928



48.4333, 0.3325, 0.3071



48.4333, 0.3569, 0.3643



# Rectangle

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



48.4333, 0.2923, 0.3524



48.4333, 0.2675, 0.3145



48.4333, 0.3325, 0.3071



48.4333, 0.3601, 0.3405

# Sweetspot

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



48.4353, 0.2923, 0.3524



94.1395, 0.3059, 0.3361



49.3429, 0.3241, 0.3861



20.5504, 0.3053, 0.3367



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

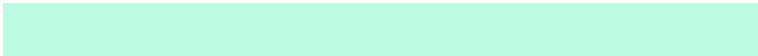


# Same Dimension

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



48.4353, 0.2923, 0.3524



85.9311, 0.2881, 0.3582



47.6148, 0.2805, 0.3242



11.3573, 0.3037, 0.3385



26.2065, 0.2627, 0.4658



1.1457, 0.2533, 0.4318



# Inverse Universe

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



36.7814, 0.3389, 0.3068



61.0629, 0.3463, 0.3016



37.3378, 0.3550, 0.3338



10.1439, 0.3227, 0.3197



7.9219, 0.5335, 0.2713



0.3559, 0.4749, 0.2390



# Previews

## White Background



This preview shows how the Yxy color 48.4333, 0.2923, 0.3524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

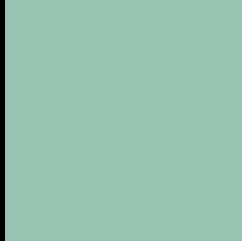
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4333, 0.2923, 0.3524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

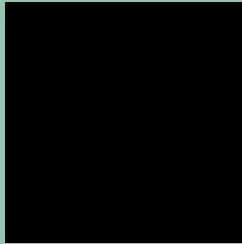
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

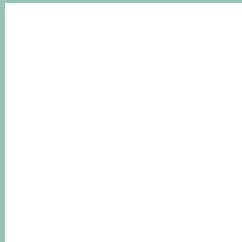
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.4333, 0.2923, 0.3524**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.4333, 0.2923, 0.3524.



This preview shows how white text looks on a background with the Yxy color 48.4333, 0.2923, 0.3524.

# 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

48.4333, 0.2923, 0.3524

### Protanopia

48.2976, 0.3291, 0.3457

### Deuteranopia

47.9734, 0.3340, 0.3266



## Tritanopia

48.4028, 0.2768, 0.3092

# Trichromacy



**Original Color**

48.4333, 0.2923, 0.3524

**Protanomaly**

48.3307, 0.3151, 0.3488

**Deuteranomaly**

47.8499, 0.3175, 0.3355

**Tritanomaly**

48.1703, 0.2821, 0.3235

# Monochromacy



**Original Color**

48.4333, 0.2923, 0.3524

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

46.4986, 0.3049, 0.3370

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4333, 0.2923, 0.3524 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, 194, 177)` looks like.

```
.text, #text, p{  
    color:rgb(152, 194, 177)  
}
```

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, 194, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 194, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4333, 0.2923, 0.3524 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, 194, 177) }
```

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

```
.border{ border-color:rgb(152, 194, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 194, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 194, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 194, 177);  
box-shadow:4px 4px 4px 4px rgb(152, 194,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4333, 0.2923, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 194, 177) }
```

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

```
.background{ background-color: rgb(152,  
194, 177) }
```

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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