

# Converting Colors

$Y_{xy}(43.1676, 0.2925, 0.3372)$

Have a look what the booklet for  
Yxy(43.1676, 0.2925, 0.3372)  
contains.

<b>Yxy(43.2659, 0.2926, 0.3374)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(43.2659, 0.2926, 0.3374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98B6B0
RGB	152, 182, 176
RGB Percent	60%, 71%, 69%
CMY	0.4037, 0.2863, 0.3098
CMYK	0.16, 0.00, 0.03, 0.29
HSL	168°, 17%, 65%
HSV	168°, 16%, 71%
XYZ	37.5211, 43.2659, 47.4463
YIQ	172.3460, -15.9540, -8.2260

# Conversions

## Conversions Part 2

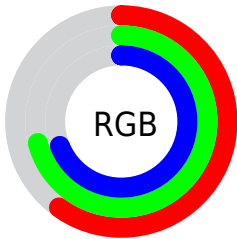
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 169, 182
Decimal	10008240
CIE <sub>Lab</sub>	71.74, -11.38, -0.36
CIE <sub>LCh</sub>	72, 11.386, 181.812
Yxy	43.2659, 0.2926, 0.3374
Android (android.graphics.Color)	4288198320 (0xFF98B6B0)
YUV	172.3460, 1.8014, -17.8434
Hunter-Lab	65.7768, -13.2877, 3.2766

# Details

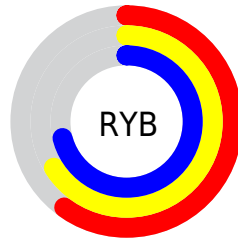
The Yxy color **43.2659, 0.2926, 0.3374** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.8900, 0.3375, 0.3208**, and the grayscale version is **41.4419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2407, 0.2963, 0.3354**, and **19.9225, 0.2866, 0.3388** is the 20% darker color. If you saturate the color by 10%, you get **41.5011, 0.2813, 0.3431**, and if you desaturate by 10%, it is **45.3076, 0.3047, 0.3321**.

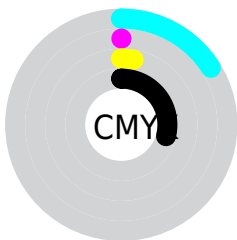
# Distribution



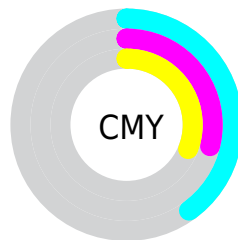
- Red (60%)
- Green (71%)
- Blue (69%)



- Red (60%)
- Yellow (66%)
- Blue (71%)



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)




- Cyan (40%)
- Magenta (29%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2659, 0.2926, 0.3374 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 43.2659, 0.2926, 0.3374 by changing the saturation by 10% instead.





 43.2659, 0.2926,  
0.3374

 43.2659, 0.2926,  
0.3374


359.7041, 0.3028,  
0.3332

 30.0938, 0.2900,  
0.3385

 80.1120, 0.2963,  
0.3359

 19.9098, 0.2867,  
0.3398


 104.5547, 0.2977,  
0.3353

 12.3295, 0.2822,  
0.3417


133.5231, 0.2989,  
0.3348

 6.9685, 0.2759,  
0.3443

167.4016, 0.2999,  
0.3344

 3.4424, 0.2663,  
0.3482

206.5746, 0.3008,  
0.3340

 1.3668, 0.2499,  
0.3549

251.4264, 0.3015,

 0.1921, 0.0000,

0.3337

0.4505

302.3414, 0.3022,  
0.3334

0.0000, 0.0000,  
0.0000

43.2659, 0.2926,  
0.3374

43.2659, 0.2926,  
0.3374

41.5011, 0.2813,  
0.3431

45.3076, 0.3047,  
0.3321

39.9956, 0.2709,  
0.3493

47.6324, 0.3172,  
0.3274

38.7380, 0.2619,  
0.3559

50.2528, 0.3300,  
0.3231

37.7138, 0.2544,  
0.3628

53.1792, 0.3427,  
0.3193

36.9073, 0.2486,  
0.3699

56.4212, 0.3554,  
0.3159

■ 36.3004, 0.2448,  
0.3771

■ 58.7828, 0.3624,  
0.3126

■ 35.8725, 0.2428,  
0.3844

■ 58.9528, 0.3593,  
0.3089

■ 35.5957, 0.2427,  
0.3916

■ 59.1269, 0.3561,  
0.3052

■ 35.5136, 0.2428,  
0.3941

■ 59.3051, 0.3530,  
0.3015

# Harmonies

## Analogous

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



43.2659, 0.3073, 0.3504



43.2659, 0.2926, 0.3374



43.2659, 0.2834, 0.3223

# Triad

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



43.2659, 0.2926, 0.3374



43.2659, 0.3012, 0.3023



43.2659, 0.3446, 0.3475

# Complementary

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



43.2659, 0.2926, 0.3374



34.8900, 0.3375, 0.3208

# 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.



43.2659, 0.3430, 0.3345



43.2659, 0.2926, 0.3374



43.2659, 0.3176, 0.3089

# Square

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



43.2659, 0.2926, 0.3374



43.2659, 0.2883, 0.3024



43.2659, 0.3330, 0.3205



43.2659, 0.3374, 0.3560



# Rectangle

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



43.2659, 0.2926, 0.3374



43.2659, 0.2814, 0.3133



43.2659, 0.3330, 0.3205



43.2659, 0.3450, 0.3435

# Sweetspot

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



43.2677, 0.2926, 0.3374



82.6951, 0.3064, 0.3315



43.0454, 0.3162, 0.3718



18.2028, 0.3055, 0.3318



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



43.2677, 0.2926, 0.3374



77.1487, 0.2881, 0.3396



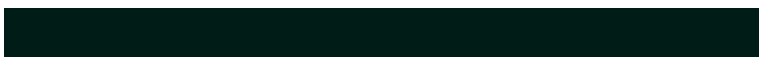
40.1412, 0.2877, 0.3169



10.1790, 0.3011, 0.3336



25.0918, 0.2426, 0.3933



0.8925, 0.2374, 0.3747



# Inverse Universe

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



34.8900, 0.3375, 0.3208



58.8696, 0.3447, 0.3187



37.5420, 0.3416, 0.3408



9.0408, 0.3257, 0.3244



7.1228, 0.6046, 0.3104



0.2599, 0.5349, 0.2720



# Previews

## White Background



This preview shows how the Yxy color 43.2659, 0.2926, 0.3374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

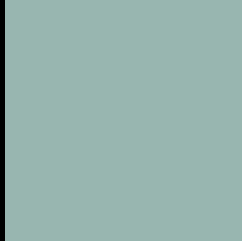
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.2659, 0.2926, 0.3374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

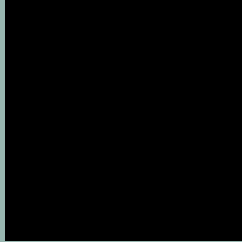
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

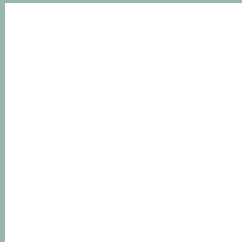
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.2659, 0.2926, 0.3374**

## Background



This preview shows how black text looks on a background with the Yxy color 43.2659, 0.2926, 0.3374.

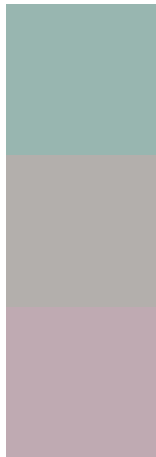


This preview shows how white text looks on a background with the Yxy color 43.2659, 0.2926, 0.3374.

# 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

43.2659, 0.2926, 0.3374

### Protanopia

43.2222, 0.3187, 0.3330

### Deuteranopia

43.0402, 0.3250, 0.3187



## Tritanopia

43.1038, 0.2817, 0.3084

# Trichromacy



## Original Color

43.2659, 0.2926, 0.3374

## Protanomaly

43.2929, 0.3089, 0.3358

## Deuteranomaly

42.7935, 0.3129, 0.3250

## Tritanomaly

43.1004, 0.2860, 0.3192

# Monochromacy



## Original Color

43.2659, 0.2926, 0.3374

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

42.0671, 0.3056, 0.3331

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2659, 0.2926, 0.3374 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, 182, 176)` looks like.

```
.text, #text, p{  
    color:rgb(152, 182, 176)  
}
```

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, 182, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 182, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2659, 0.2926, 0.3374 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, 182, 176) }
```

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

```
.border{ border-color:rgb(152, 182, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 182, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 182, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 182, 176);  
box-shadow:4px 4px 4px 4px rgb(152, 182,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2659, 0.2926, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 182, 176) }
```

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

```
.background{ background-color: rgb(152,  
182, 176) }
```

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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