

# Converting Colors

$Y_{xy}(48.4425, 0.2869, 0.3354)$

Have a look what the booklet for  
Yxy(48.4425, 0.2869, 0.3354)  
contains.

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# Color

**Yxy(48.2987, 0.2869, 0.3343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BC0BC
RGB	155, 192, 188
RGB Percent	61%, 75%, 74%
CMY	0.3920, 0.2471, 0.2626
CMYK	0.19, 0.00, 0.02, 0.25
HSL	174°, 23%, 68%
HSV	174°, 19%, 75%
XYZ	41.4505, 48.2987, 54.7279
YIQ	180.4810, -20.7680, -9.0880

# Conversions

## Conversions Part 2

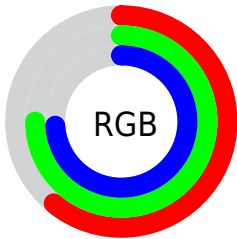
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 175, 192
Decimal	10207420
CIELab	75.01, -13.13, -2.10
CIELCh	75, 13.294, 189.085
Yxy	48.2987, 0.2869, 0.3343
Android (android.graphics.Color)	4288397500 (0xFF9BC0BC)
YUV	180.4810, 3.7069, -22.3468
Hunter-Lab	69.4973, -15.1569, 1.9582

# Details

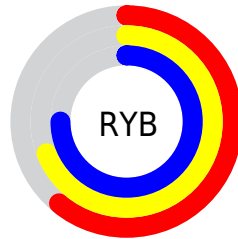
The Yxy color **48.2987, 0.2869, 0.3343** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.1622, 0.3461, 0.3238**, and the grayscale version is **45.9064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3681, 0.2916, 0.3331**, and **22.8098, 0.2795, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **46.4609, 0.2748, 0.3374**, and if you desaturate by 10%, it is **50.4438, 0.3000, 0.3314**.

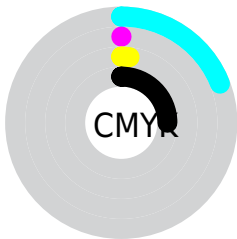
# Distribution



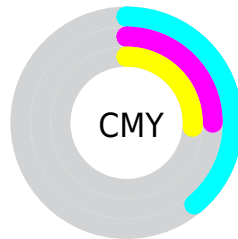
- Red (61%)
- Green (75%)
- Blue (74%)



- Red (61%)
- Yellow (69%)
- Blue (75%)



- Cyan (19%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)




- Cyan (39%)
- Magenta (25%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2987, 0.2869, 0.3343 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 48.2987, 0.2869, 0.3343 by changing the saturation by 10% instead.





 48.2987, 0.2869,  
0.3343

 48.2987, 0.2869,  
0.3343


379.9749, 0.2997,  
0.3318

 34.0635, 0.2838,  
0.3349


 87.6490, 0.2915,  
0.3334

 22.9424, 0.2797,  
0.3357


 113.5328, 0.2933,  
0.3331

 14.5510, 0.2744,  
0.3366


144.0684, 0.2947,  
0.3328

 8.5049, 0.2671,  
0.3380

179.6399, 0.2960,  
0.3325

 4.4197, 0.2562,  
0.3398

220.6320, 0.2971,  
0.3323

 1.9110, 0.2388,  
0.3426

267.4289, 0.2981,

 0.5550, 0.1368,

0.3321

0.3668

320.4151, 0.2989,  
0.3319

0.0000, 0.0000,  
0.0000

48.2987, 0.2869,  
0.3343

48.2987, 0.2869,  
0.3343

46.4609, 0.2748,  
0.3374

50.4438, 0.3000,  
0.3314

44.9101, 0.2638,  
0.3407

52.9036, 0.3138,  
0.3288

43.6330, 0.2544,  
0.3442

55.6925, 0.3279,  
0.3264

42.6128, 0.2467,  
0.3478

58.8224, 0.3422,  
0.3243

41.8308, 0.2408,  
0.3514

62.3045, 0.3565,  
0.3225

■ 41.2657, 0.2368,  
0.3551

■ 63.1460, 0.3581,  
0.3204

■ 40.8925, 0.2347,  
0.3588

■ 63.2433, 0.3564,  
0.3183

■ 40.6668, 0.2341,  
0.3625

■ 63.3420, 0.3547,  
0.3162

■ 40.6516, 0.2341,  
0.3628

■ 63.4419, 0.3530,  
0.3141

# Harmonies

## Analogous

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



48.2987, 0.3022, 0.3501



48.2987, 0.2869, 0.3343



48.2987, 0.2785, 0.3174

# Triad

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



48.2987, 0.2869, 0.3343



48.2987, 0.3040, 0.3002



48.2987, 0.3475, 0.3527

# Complementary

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



48.2987, 0.2869, 0.3343



37.1622, 0.3461, 0.3238

# 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.



48.2987, 0.3482, 0.3389



48.2987, 0.2869, 0.3343



48.2987, 0.3227, 0.3092

# Square

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



48.2987, 0.2869, 0.3343



48.2987, 0.2882, 0.2984



48.2987, 0.3390, 0.3231



48.2987, 0.3373, 0.3606



# Rectangle

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



48.2987, 0.2869, 0.3343



48.2987, 0.2778, 0.3081



48.2987, 0.3390, 0.3231



48.2987, 0.3489, 0.3485

# Sweetspot

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



48.3007, 0.2869, 0.3343



92.7505, 0.3043, 0.3306



47.4709, 0.3138, 0.3806



19.8370, 0.3034, 0.3308



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.



48.3007, 0.2869, 0.3343



86.0859, 0.2818, 0.3356



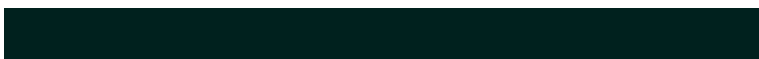
42.5487, 0.2831, 0.3094



11.4092, 0.2998, 0.3315



27.3627, 0.2340, 0.3623



1.1877, 0.2317, 0.3541



# Inverse Universe

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



37.1622, 0.3461, 0.3238



62.2957, 0.3552, 0.3226



42.0241, 0.3466, 0.3478



10.0951, 0.3272, 0.3266



7.5820, 0.6258, 0.3221



0.3336, 0.5830, 0.2986



# Previews

## White Background



This preview shows how the Yxy color 48.2987, 0.2869, 0.3343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

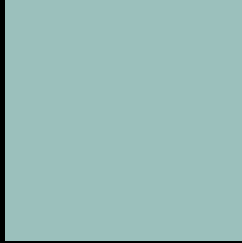
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.2987, 0.2869, 0.3343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

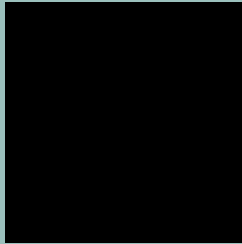
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

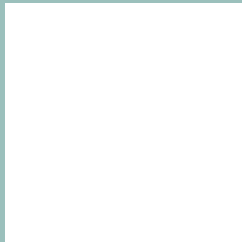
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.2987, 0.2869, 0.3343**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2987, 0.2869, 0.3343.

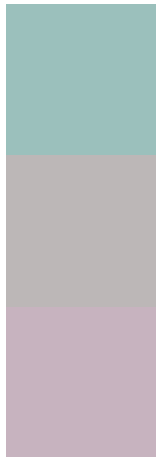


This preview shows how white text looks on a background with the Yxy color 48.2987, 0.2869, 0.3343.

# 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

48.2987, 0.2869, 0.3343

### Protanopia

47.9772, 0.3170, 0.3290

### Deuteranopia

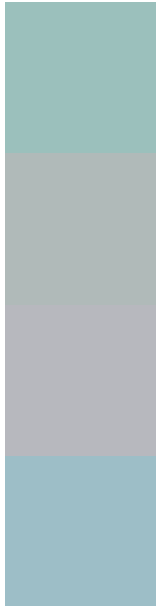
48.1439, 0.3203, 0.3142



## Tritanopia

48.0721, 0.2774, 0.3079

# Trichromacy



**Original Color**

48.2987, 0.2869, 0.3343

**Protanomaly**

47.8507, 0.3052, 0.3303

**Deuteranomaly**

48.0660, 0.3072, 0.3213

**Tritanomaly**

48.1185, 0.2808, 0.3169

# Monochromacy



**Original Color**

48.2987, 0.2869, 0.3343

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

46.3578, 0.3027, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2987, 0.2869, 0.3343 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(155, 192, 188)` looks like.

```
.text, #text, p{  
    color:rgb(155, 192, 188)  
}
```

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(155, 192, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 192, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2987, 0.2869, 0.3343 is called "border". The border property can be set on classes, ids or directly on the HTML element.

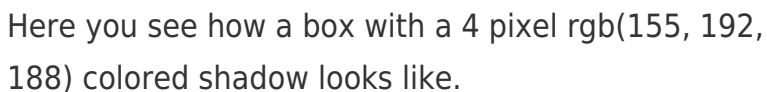
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 192, 188) }
```

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

```
.border{ border-color:rgb(155, 192, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 192, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 192, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 192, 188);  
box-shadow:4px 4px 4px 4px rgb(155, 192,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2987, 0.2869, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 192, 188) }
```

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

```
.background{ background-color: rgb(155,  
192, 188) }
```

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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