

# Converting Colors

$Yxy(48.4468, 0.2910, 0.3439)$

Have a look what the booklet for  
Yxy(48.4468, 0.2910, 0.3439)  
contains.

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# Color

**Yxy(48.4859, 0.2911, 0.3439)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BC1B6
RGB	155, 193, 182
RGB Percent	61%, 76%, 71%
CMY	0.3919, 0.2432, 0.2862
CMYK	0.20, 0.00, 0.06, 0.24
HSL	163°, 23%, 68%
HSV	163°, 20%, 76%
XYZ	41.0417, 48.4859, 51.4608
YIQ	180.3840, -19.1170, -11.4770

# Conversions

## Conversions Part 2

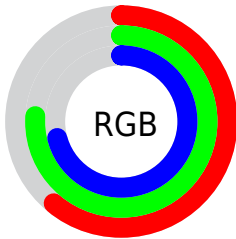
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 177, 193
Decimal	10207670
CIELab	75.13, -14.88, 1.33
CIELCh	75, 14.944, 174.883
Yxy	48.4859, 0.2911, 0.3439
Android (android.graphics.Color)	4288397750 (0xFF9BC1B6)
YUV	180.3840, 0.7967, -22.2618
Hunter-Lab	69.6318, -16.6459, 4.9245

# Details

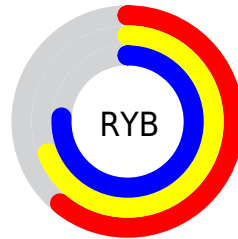
The Yxy color **48.4859, 0.2911, 0.3439** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.5553, 0.3402, 0.3146**, and the grayscale version is **45.8700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2459, 0.2949, 0.3416**, and **22.9338, 0.2850, 0.3479** is the 20% darker color. If you saturate the color by 10%, you get **46.5013, 0.2810, 0.3526**, and if you desaturate by 10%, it is **50.7890, 0.3019, 0.3360**.

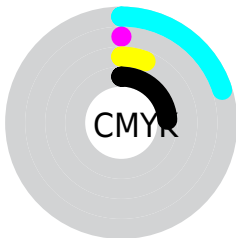
# Distribution



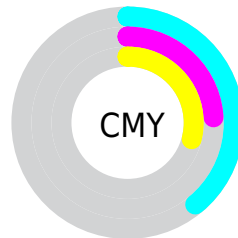
- Red (61%)
- Green (76%)
- Blue (71%)



- Red (61%)
- Yellow (69%)
- Blue (76%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)




- Cyan (39%)
- Magenta (24%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4859, 0.2911, 0.3439 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 48.4859, 0.2911, 0.3439 by changing the saturation by 10% instead.





 48.4859, 0.2911,  
0.3439

 48.4859, 0.2911,  
0.3439


380.7149, 0.3019,  
0.3365

 34.2118, 0.2884,  
0.3458

 87.9274, 0.2950,  
0.3412

 23.0564, 0.2850,  
0.3481

 113.8637, 0.2965,  
0.3402

 14.6351, 0.2805,  
0.3513


144.4561, 0.2977,  
0.3393

 8.5637, 0.2742,  
0.3558

180.0891, 0.2988,  
0.3386

 4.4577, 0.2648,  
0.3624

221.1471, 0.2997,  
0.3380

 1.9328, 0.2495,  
0.3735

268.0145, 0.3005,

 0.5680, 0.1390,

0.3374

0.4473

321.0756, 0.3012,  
0.3369

0.0000, 0.0000,  
0.0000

48.4859, 0.2911,  
0.3439

48.4859, 0.2911,  
0.3439

46.5013, 0.2810,  
0.3526

50.7890, 0.3019,  
0.3360

44.8145, 0.2719,  
0.3620

53.4180, 0.3131,  
0.3288

43.4118, 0.2641,  
0.3719

56.3879, 0.3245,  
0.3223

42.2760, 0.2579,  
0.3824

59.7106, 0.3360,  
0.3166

41.3880, 0.2535,  
0.3931

63.3978, 0.3473,  
0.3115

■ 40.7260, 0.2510,  
0.4041

■ 64.3273, 0.3456,  
0.3060

■ 40.2644, 0.2505,  
0.4150

■ 64.6202, 0.3411,  
0.3005

■ 39.9554, 0.2517,  
0.4258

■ 64.9229, 0.3368,  
0.2949

■ 39.9454, 0.2517,  
0.4262

■ 65.2357, 0.3324,  
0.2895

# Harmonies

## Analogous

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



48.4859, 0.3105, 0.3592



48.4859, 0.2911, 0.3439



48.4859, 0.2777, 0.3246

# Triad

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



48.4859, 0.2911, 0.3439



48.4859, 0.2938, 0.2948



48.4859, 0.3536, 0.3486

# Complementary

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



48.4859, 0.2911, 0.3439



37.5553, 0.3402, 0.3146

# 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.



48.4859, 0.3490, 0.3316



48.4859, 0.2911, 0.3439



48.4859, 0.3139, 0.3013

# Square

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



48.4859, 0.2911, 0.3439



48.4859, 0.2792, 0.2968



48.4859, 0.3342, 0.3145



48.4859, 0.3469, 0.3613



# Rectangle

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



48.4859, 0.2911, 0.3439



48.4859, 0.2738, 0.3126



48.4859, 0.3342, 0.3145



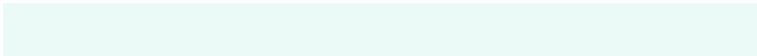
48.4859, 0.3533, 0.3432

# Sweetspot

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



48.4879, 0.2911, 0.3439



92.5822, 0.3058, 0.3333



48.6583, 0.3194, 0.3809



19.7971, 0.3051, 0.3338



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

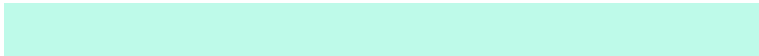


# Same Dimension

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



48.4879, 0.2911, 0.3439



85.1040, 0.2862, 0.3479



45.6920, 0.2830, 0.3186



11.3772, 0.3022, 0.3357



26.5866, 0.2513, 0.4248



1.1602, 0.2446, 0.4007



# Inverse Universe

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



37.5553, 0.3402, 0.3146



61.6179, 0.3486, 0.3110



39.7753, 0.3491, 0.3391



10.1247, 0.3245, 0.3224



7.7417, 0.5774, 0.2955



0.3468, 0.5118, 0.2593



# Previews

## White Background



This preview shows how the Yxy color 48.4859, 0.2911, 0.3439 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

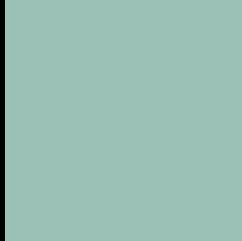
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4859, 0.2911, 0.3439 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

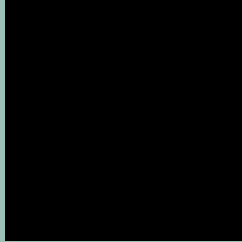
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

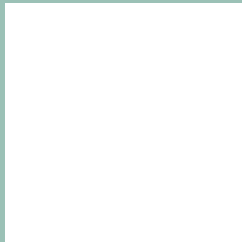
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.4859, 0.2911, 0.3439**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.4859, 0.2911, 0.3439.



This preview shows how white text looks on a background with the Yxy color 48.4859, 0.2911, 0.3439.

# 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

48.4859, 0.2911, 0.3439

### Protanopia

48.4025, 0.3234, 0.3380

### Deuteranopia

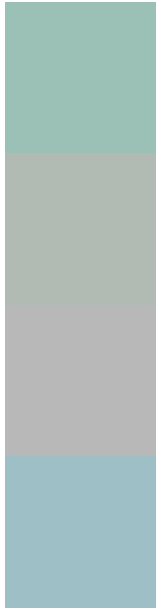
48.2995, 0.3279, 0.3217



## Tritanopia

48.6056, 0.2782, 0.3093

# Trichromacy



**Original Color**

48.4859, 0.2911, 0.3439

**Protanomaly**

48.1424, 0.3106, 0.3395

**Deuteranomaly**

48.0560, 0.3136, 0.3290

**Tritanomaly**

48.5619, 0.2829, 0.3209

# Monochromacy



**Original Color**

48.4859, 0.2911, 0.3439

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

46.6920, 0.3042, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4859, 0.2911, 0.3439 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, 193, 182)` looks like.

```
.text, #text, p{  
    color:rgb(155, 193, 182)  
}
```

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, 193, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 193, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4859, 0.2911, 0.3439 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, 193, 182) }
```

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

```
.border{ border-color:rgb(155, 193, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 193, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 193, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 193, 182);  
box-shadow:4px 4px 4px 4px rgb(155, 193,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4859, 0.2911, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 193, 182) }
```

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

```
.background{ background-color: rgb(155,  
193, 182) }
```

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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