

# Converting Colors

$Yxy(49.7526, 0.2853, 0.3657)$

Have a look what the booklet for  
Yxy(49.7526, 0.2853, 0.3657)  
contains.

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# Color

**Yxy(49.8535, 0.2855, 0.3655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BC8AE
RGB	139, 200, 174
RGB Percent	55%, 78%, 68%
CMY	0.4548, 0.2157, 0.3177
CMYK	0.30, 0.00, 0.13, 0.22
HSL	154°, 36%, 66%
HSV	154°, 30%, 78%
XYZ	38.9417, 49.8535, 47.6029
YIQ	178.7970, -28.0100, -21.0180

# Conversions

## Conversions Part 2

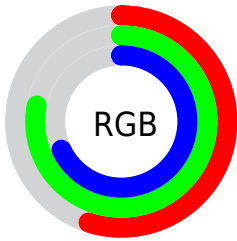
Format	Color
<a href="#">RYB</a>	<a href="#">139, 178, 200</a>
Decimal	<a href="#">9160878</a>
CIELab	<a href="#">75.98, -25.10, 6.79</a>
CIElCh	<a href="#">76, 26.004, 164.862</a>
Yxy	<a href="#">49.8535, 0.2855, 0.3655</a>
Android (android.graphics.Color)	<a href="#">4287350958 (0xFF8BC8AE)</a>
YUV	<a href="#">178.7970, -2.3649, -34.9020</a>
Hunter-Lab	<a href="#">70.6070, -25.1147, 9.4519</a>

# Details

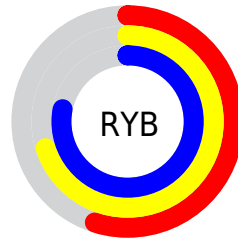
The Yxy color  $49.8535, 0.2855, 0.3655$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $33.4677, 0.3517, 0.2954$ , and the grayscale version is  $44.9914, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.6465, 0.2907, 0.3571$ , and  $23.9891, 0.2777, 0.3759$  is the 20% darker color. If you saturate the color by 10%, you get  $47.9659, 0.2779, 0.3798$ , and if you desaturate by 10%, it is  $52.0813, 0.2939, 0.3523$ .

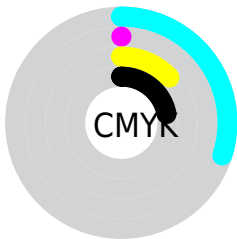
# Distribution



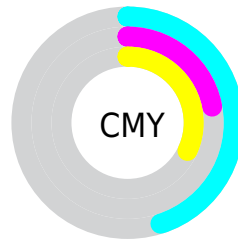
- Red (55%)
- Green (78%)
- Blue (68%)



- Red (55%)
- Yellow (70%)
- Blue (78%)



- Cyan (30%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)




- Cyan (45%)
- Magenta (22%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8535, 0.2855, 0.3655 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 49.8535, 0.2855, 0.3655 by changing the saturation by 10% instead.




 49.8535, 0.2855,  
0.3655

 49.8535, 0.2855,  
0.3655


386.0928, 0.2992,  
0.3470

 35.2970, 0.2821,  
0.3702


 89.9578, 0.2905,  
0.3587

 23.8918, 0.2777,  
0.3763


 116.2744, 0.2923,  
0.3562

 15.2533, 0.2718,  
0.3845


 147.2797, 0.2939,  
0.3541

 8.9974, 0.2635,  
0.3960

183.3583, 0.2953,  
0.3522

 4.7395, 0.2512,  
0.4137

224.8946, 0.2964,  
0.3507

 2.0952, 0.2307,  
0.4436

272.2728, 0.2975,

 0.6619, 0.0177,

0.3493

0.7162

325.8774, 0.2984,  
0.3481

0.0000, 0.0000,  
0.0000

49.8535, 0.2855,  
0.3655

49.8535, 0.2855,  
0.3655

47.9659, 0.2779,  
0.3798

52.0813, 0.2939,  
0.3523

46.3948, 0.2715,  
0.3952

54.6594, 0.3029,  
0.3403

45.1230, 0.2666,  
0.4113

57.6051, 0.3123,  
0.3295


44.1291, 0.2635,  
0.4278

60.9326, 0.3217,  
0.3199

43.3887, 0.2624,  
0.4445

64.6555, 0.3310,  
0.3114


 42.8730, 0.2633,  
0.4610

 68.0165, 0.3370,  
0.3036

 42.5400, 0.2656,  
0.4761

 68.4945, 0.3306,  
0.2952

 68.9962, 0.3243,  
0.2870

 69.5218, 0.3182,  
0.2791

# Harmonies

## Analogous

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



49.8535, 0.3201, 0.3882



49.8535, 0.2855, 0.3655



49.8535, 0.2592, 0.3319

# Triad

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



49.8535, 0.2855, 0.3655



49.8535, 0.2706, 0.2708



49.8535, 0.3832, 0.3518

# Complementary

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



49.8535, 0.2855, 0.3655



33.4677, 0.3517, 0.2954

# 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.



49.8535, 0.3687, 0.3226



49.8535, 0.2855, 0.3655



49.8535, 0.3021, 0.2776

# Square

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



49.8535, 0.2855, 0.3655



49.8535, 0.2511, 0.2782



49.8535, 0.3383, 0.2961



49.8535, 0.3775, 0.3774



# Rectangle

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



49.8535, 0.2855, 0.3655



49.8535, 0.2493, 0.3096



49.8535, 0.3383, 0.2961



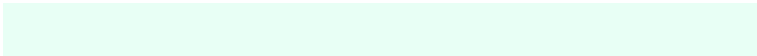
49.8535, 0.3806, 0.3421

# Sweetspot

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



49.8555, 0.2855, 0.3655



95.2894, 0.3042, 0.3388



51.2216, 0.3292, 0.4120



20.2437, 0.3028, 0.3404



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

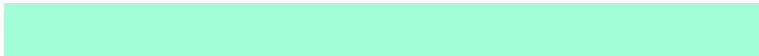


# Same Dimension

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



49.8555, 0.2855, 0.3655



83.9536, 0.2801, 0.3755



49.1122, 0.2686, 0.3233



11.9881, 0.3040, 0.3390



27.0657, 0.2650, 0.4739



1.2959, 0.2557, 0.4404



# Inverse Universe

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



33.4677, 0.3517, 0.2954



50.8404, 0.3643, 0.2874



33.8138, 0.3791, 0.3346



10.7108, 0.3224, 0.3192



8.2453, 0.5246, 0.2664



0.4049, 0.4718, 0.2373



# Previews

## White Background



This preview shows how the Yxy color 49.8535, 0.2855, 0.3655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

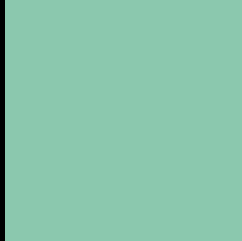
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8535, 0.2855, 0.3655 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

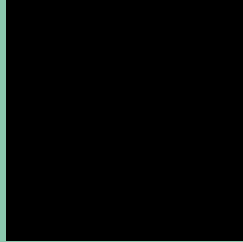
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.8535, 0.2855, 0.3655**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.8535, 0.2855, 0.3655.



This preview shows how white text looks on a background with the Yxy color 49.8535, 0.2855, 0.3655.

# 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

49.8535, 0.2855, 0.3655

### Protanopia

49.5099, 0.3356, 0.3532

### Deuteranopia

49.2668, 0.3389, 0.3315



## Tritanopia

49.8864, 0.2675, 0.3091

# Trichromacy



**Original Color**

49.8535, 0.2855, 0.3655

**Protanomaly**

49.2778, 0.3155, 0.3569

**Deuteranomaly**

48.7823, 0.3171, 0.3420

**Tritanomaly**

49.8930, 0.2739, 0.3289

# Monochromacy



**Original Color**

49.8535, 0.2855, 0.3655

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

46.6075, 0.3015, 0.3426

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8535, 0.2855, 0.3655 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(139, 200, 174)` looks like.

```
.text, #text, p{  
    color:rgb(139, 200, 174)  
}
```

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(139, 200, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 200, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8535, 0.2855, 0.3655 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(139, 200, 174) }
```

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

```
.border{ border-color:rgb(139, 200, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 200, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 200, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 200, 174);  
box-shadow:4px 4px 4px 4px rgb(139, 200,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8535, 0.2855, 0.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 200, 174) }
```

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

```
.background{ background-color: rgb(139,  
200, 174) }
```

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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