

# Converting Colors

$Yxy(49.1333, 0.2807, 0.3786)$

Have a look what the booklet for  
Yxy(49.1333, 0.2807, 0.3786)  
contains.

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# Color

**Yxy(48.9233, 0.2808, 0.3783)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DC9A7
RGB	125, 201, 167
RGB Percent	49%, 79%, 65%
CMY	0.5100, 0.2117, 0.3451
CMYK	0.38, 0.00, 0.17, 0.21
HSL	153°, 41%, 64%
HSV	153°, 38%, 79%
XYZ	36.3142, 48.9233, 44.0866
YIQ	174.4000, -34.3820, -26.6860

# Conversions

## Conversions Part 2

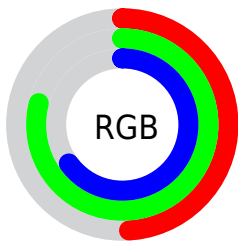
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 174, 201
Decimal	8243623
CIELab	75.40, -31.17, 9.63
CIELCh	75, 32.622, 162.827
Yxy	48.9233, 0.2808, 0.3783
Android (android.graphics.Color)	4286433703 (0xFF7DC9A7)
YUV	174.4000, -3.6482, -43.3238
Hunter-Lab	69.9452, -29.7303, 11.5910

# Details

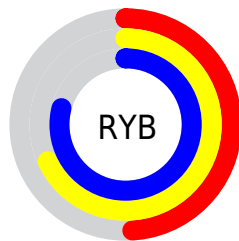
The Yxy color **48.9233, 0.2808, 0.3783** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.5781, 0.3631, 0.2851**, and the grayscale version is **42.5725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4972, 0.2865, 0.3657**, and **23.4448, 0.2712, 0.3943** is the 20% darker color. If you saturate the color by 10%, you get **47.2420, 0.2743, 0.3942**, and if you desaturate by 10%, it is **50.9378, 0.2884, 0.3635**.

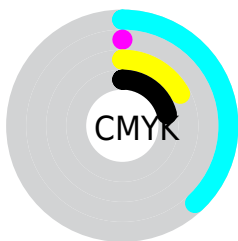
# Distribution



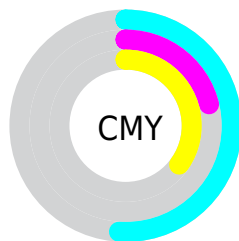
- Red (49%)
- Green (79%)
- Blue (65%)



- Red (49%)
- Yellow (68%)
- Blue (79%)



- Cyan (38%)
- Magenta (0%)
- Yellow (17%)
- Black (21%)




- Cyan (51%)
- Magenta (21%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9233, 0.2808, 0.3783 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 48.9233, 0.2808, 0.3783 by changing the saturation by 10% instead.




 48.9233, 0.2808,  
0.3783


 48.9233, 0.2808,  
0.3783


382.4403, 0.2970,  
0.3530

 34.5586, 0.2767,  
0.3848


 88.5775, 0.2867,  
0.3690

 23.3231, 0.2714,  
0.3933

 114.6359, 0.2890,  
0.3655

 14.8323, 0.2642,  
0.4048


 145.3609, 0.2908,  
0.3626

 8.7017, 0.2540,  
0.4212

181.1371, 0.2924,  
0.3601

 4.5472, 0.2386,  
0.4466

222.3487, 0.2938,  
0.3580

 1.9841, 0.2127,  
0.4906

269.3801, 0.2950,

 0.5982, 0.0000,

0.3561

1.0000

322.6159, 0.2961,  
0.3545

0.0000, 0.0000,  
0.0000

48.9233, 0.2808,  
0.3783

48.9233, 0.2808,  
0.3783

47.2420, 0.2743,  
0.3942

50.9378, 0.2884,  
0.3635

45.8689, 0.2691,  
0.4109

53.2969, 0.2968,  
0.3500

44.7848, 0.2657,  
0.4283


56.0190, 0.3056,  
0.3377


43.9660, 0.2642,  
0.4458


59.1191, 0.3147,  
0.3267

43.3846, 0.2647,  
0.4632


62.6116, 0.3238,  
0.3170


 43.0001, 0.2670,  
0.4799

 66.5100, 0.3328,  
0.3083

 42.9286, 0.2676,  
0.4834

 68.7476, 0.3333,  
0.2999

 69.2656, 0.3267,  
0.2912

 69.8100, 0.3202,  
0.2827

# Harmonies

## Analogous

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



48.9233, 0.3243, 0.4060



48.9233, 0.2808, 0.3783



48.9233, 0.2474, 0.3351

# Triad

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



48.9233, 0.2808, 0.3783



48.9233, 0.2578, 0.2568



48.9233, 0.4015, 0.3540

# Complementary

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



48.9233, 0.2808, 0.3783



29.5781, 0.3631, 0.2851

# 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.



48.9233, 0.3815, 0.3179



48.9233, 0.2808, 0.3783



48.9233, 0.2960, 0.2643

# Square

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



48.9233, 0.2808, 0.3783



48.9233, 0.2351, 0.2664



48.9233, 0.3417, 0.2861



48.9233, 0.3955, 0.3870



# Rectangle

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



48.9233, 0.2808, 0.3783



48.9233, 0.2346, 0.3064



48.9233, 0.3417, 0.2861



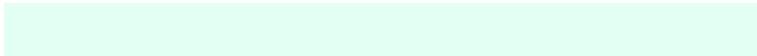
48.9233, 0.3976, 0.3419

# Sweetspot

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



48.9253, 0.2808, 0.3783



94.2809, 0.3026, 0.3416



50.6477, 0.3336, 0.4341



20.0410, 0.3014, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

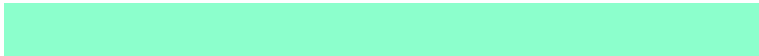


# Same Dimension

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



48.9253, 0.2808, 0.3783



81.4615, 0.2756, 0.3906



48.6017, 0.2597, 0.3236



11.9844, 0.3042, 0.3395



27.0073, 0.2670, 0.4811



1.2932, 0.2573, 0.4461



# Inverse Universe

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



29.5781, 0.3631, 0.2851



43.8761, 0.3783, 0.2761



29.5364, 0.4030, 0.3343



10.7145, 0.3221, 0.3187



8.2886, 0.5161, 0.2617



0.4070, 0.4652, 0.2336



# Previews

## White Background



This preview shows how the Yxy color 48.9233, 0.2808, 0.3783 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

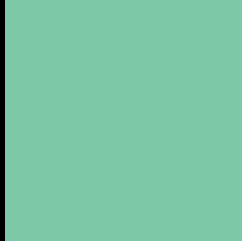
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9233, 0.2808, 0.3783 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

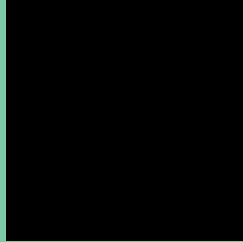
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

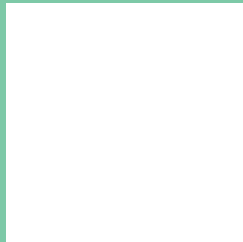
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.9233, 0.2808, 0.3783**

## Background



This preview shows how black text looks on a background with the Yxy color 48.9233, 0.2808, 0.3783.

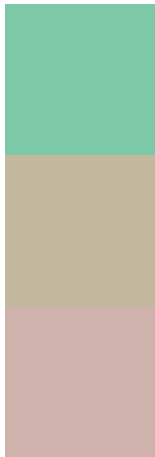


This preview shows how white text looks on a background with the Yxy color 48.9233, 0.2808, 0.3783.

# 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

48.9233, 0.2808, 0.3783

### Protanopia

48.2189, 0.3425, 0.3625

### Deuteranopia

48.2292, 0.3445, 0.3365



## Tritanopia

48.8843, 0.2595, 0.3074

# Trichromacy



**Original Color**

48.9233, 0.2808, 0.3783

**Protanomaly**

47.8351, 0.3174, 0.3685

**Deuteranomaly**

47.4851, 0.3184, 0.3502

**Tritanomaly**

48.6979, 0.2668, 0.3316

# Monochromacy



**Original Color**

48.9233, 0.2808, 0.3783

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

44.2892, 0.2995, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9233, 0.2808, 0.3783 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(125, 201, 167)` looks like.

```
.text, #text, p{  
    color:rgb(125, 201, 167)  
}
```

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(125, 201, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 201, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9233, 0.2808, 0.3783 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(125, 201, 167) }
```

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

```
.border{ border-color:rgb(125, 201, 167) }
```

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

Here you see how a box with a 4 pixel rgb(125, 201, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 201, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 201, 167);  
box-shadow:4px 4px 4px 4px rgb(125, 201,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9233, 0.2808, 0.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 201, 167) }
```

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

```
.background{ background-color: rgb(125,  
201, 167) }
```

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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