

# Converting Colors

$Yxy(43.8943, 0.2748, 0.3812)$

Have a look what the booklet for  
Yxy(43.8943, 0.2748, 0.3812)  
contains.

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# Color

**Yxy(43.8943, 0.2748, 0.3812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DC19F
RGB	109, 193, 159
RGB Percent	43%, 76%, 62%
CMY	0.5722, 0.2432, 0.3764
CMYK	0.43, 0.00, 0.18, 0.24
HSL	156°, 40%, 59%
HSV	156°, 43%, 76%
XYZ	31.6426, 43.8943, 39.6108
YIQ	164.0080, -39.1500, -28.3820

# Conversions

## Conversions Part 2

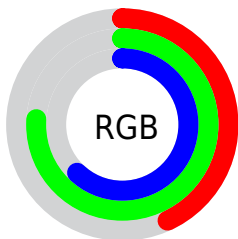
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 162, 193
Decimal	7192991
CIELab	72.16, -33.45, 9.22
CIElCh	72, 34.703, 164.588
Yxy	43.8943, 0.2748, 0.3812
Android (android.graphics.Color)	4285383071 (0xFF6DC19F)
YUV	164.0080, -2.4689, -48.2420
Hunter-Lab	66.2528, -30.6901, 10.9290

# Details

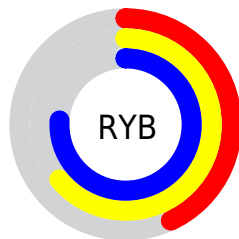
The Yxy color **43.8943, 0.2748, 0.3812** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.2758, 0.3784, 0.2833**, and the grayscale version is **37.1641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1188, 0.2817, 0.3708**, and **20.3322, 0.2629, 0.3971** is the 20% darker color. If you saturate the color by 10%, you get **42.5396, 0.2686, 0.3959**, and if you desaturate by 10%, it is **45.5385, 0.2823, 0.3674**.

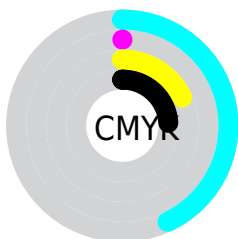
# Distribution



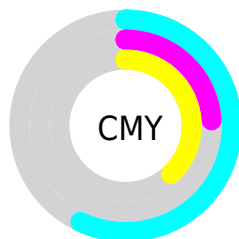
- Red (43%)
- Green (76%)
- Blue (62%)



- Red (43%)
- Yellow (64%)
- Blue (76%)



- Cyan (43%)
- Magenta (0%)
- Yellow (18%)
- Black (24%)




- Cyan (57%)
- Magenta (24%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8943, 0.2748, 0.3812 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 43.8943, 0.2748, 0.3812 by changing the saturation by 10% instead.





 43.8943, 0.2748,  
0.3812


 43.8943, 0.2748,  
0.3812


362.2768, 0.2943,  
0.3540


 30.5874, 0.2697,  
0.3884


 81.0587, 0.2820,  
0.3710

 20.2849, 0.2631,  
0.3979


 105.6849, 0.2847,  
0.3673

 12.6023, 0.2541,  
0.4109


 134.8531, 0.2870,  
0.3641

 7.1553, 0.2412,  
0.4300

 168.9477, 0.2889,  
0.3615

 3.5594, 0.2211,  
0.4603

208.3529, 0.2905,  
0.3592

 1.4303, 0.1705,  
0.5271

253.4532, 0.2920,

 0.2389, 0.0000,

0.3572

1.0000

304.6330, 0.2932,  
0.3555

0.0000, 0.0000,  
0.0000

43.8943, 0.2748,  
0.3812

43.8943, 0.2748,  
0.3812

42.5396, 0.2686,  
0.3959

45.5385, 0.2823,  
0.3674

41.4510, 0.2640,  
0.4112

47.4832, 0.2907,  
0.3546

40.6100, 0.2613,  
0.4269


49.7455, 0.2998,  
0.3430


39.9933, 0.2605,  
0.4427


52.3396, 0.3094,  
0.3324

39.5731, 0.2618,  
0.4581

55.2786, 0.3190,  
0.3230

 39.3703, 0.2633,  
0.4680

 58.5751, 0.3287,  
0.3146

 62.2410, 0.3383,  
0.3072

 64.6450, 0.3408,  
0.3000

 65.0726, 0.3347,  
0.2923

# Harmonies

## Analogous

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



43.8943, 0.3222, 0.4135



43.8943, 0.2748, 0.3812



43.8943, 0.2394, 0.3325

# Triad

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



43.8943, 0.2748, 0.3812



43.8943, 0.2544, 0.2500



43.8943, 0.4111, 0.3580

# Complementary

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



43.8943, 0.2748, 0.3812



24.2758, 0.3784, 0.2833

# 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.



43.8943, 0.3906, 0.3188



43.8943, 0.2748, 0.3812



43.8943, 0.2970, 0.2593

# Square

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



43.8943, 0.2748, 0.3812



43.8943, 0.2287, 0.2590



43.8943, 0.3475, 0.2838



43.8943, 0.4025, 0.3940



# Rectangle

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



43.8943, 0.2748, 0.3812



43.8943, 0.2264, 0.3011



43.8943, 0.3475, 0.2838



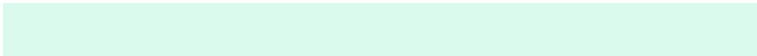
43.8943, 0.4075, 0.3449

# Sweetspot

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



43.8961, 0.2748, 0.3812



89.2237, 0.3001, 0.3426



45.1752, 0.3335, 0.4519



18.9362, 0.2980, 0.3451



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.



43.8961, 0.2748, 0.3812



76.3428, 0.2690, 0.3949



42.2235, 0.2527, 0.3185



11.3572, 0.3037, 0.3385



26.2047, 0.2628, 0.4660



1.1456, 0.2533, 0.4319



# Inverse Universe

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



24.2758, 0.3784, 0.2833



36.7275, 0.4003, 0.2743



24.9499, 0.4211, 0.3389



10.1440, 0.3227, 0.3197



7.9230, 0.5332, 0.2711



0.3560, 0.4748, 0.2389



# Previews

## White Background



This preview shows how the Yxy color 43.8943, 0.2748, 0.3812 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

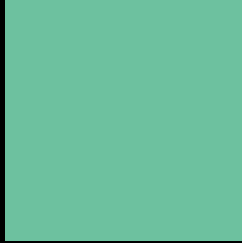
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.8943, 0.2748, 0.3812 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 43.8943, 0.2748, 0.3812**

## Background



This preview shows how black text looks on a background with the Yxy color 43.8943, 0.2748, 0.3812.



This preview shows how white text looks on a background with the Yxy color 43.8943, 0.2748, 0.3812.

# 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

43.8943, 0.2748, 0.3812

### Protanopia

43.1762, 0.3431, 0.3627

### Deuteranopia

43.3001, 0.3431, 0.3368



## Tritanopia

43.7980, 0.2541, 0.3076

# Trichromacy



## Original Color

43.8943, 0.2748, 0.3812



## Protanomaly

42.9239, 0.3142, 0.3706



## Deuteranomaly

42.4488, 0.3143, 0.3514



## Tritanomaly

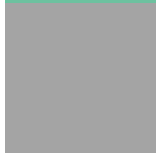
43.6534, 0.2616, 0.3333

# Monochromacy



## Original Color

43.8943, 0.2748, 0.3812



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

39.1979, 0.2964, 0.3483

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8943, 0.2748, 0.3812 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(109, 193, 159)` looks like.

```
.text, #text, p{  
    color:rgb(109, 193, 159)  
}
```

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(109, 193, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 193, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8943, 0.2748, 0.3812 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(109, 193, 159) }
```

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

```
.border{ border-color:rgb(109, 193, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 193, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 193, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 193, 159);  
box-shadow:4px 4px 4px 4px rgb(109, 193,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.8943, 0.2748, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 193, 159) }
```

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

```
.background{ background-color: rgb(109,  
193, 159) }
```

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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