

# Converting Colors

$Y_{xy}(48.2303, 0.2610, 0.3817)$

Have a look what the booklet for  
Yxy(48.2303, 0.2610, 0.3817)  
contains.

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# Color

**Yxy(48.2240, 0.2610, 0.3818)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5ACCA9
RGB	90, 204, 169
RGB Percent	35%, 80%, 66%
CMY	0.6474, 0.2000, 0.3372
CMYK	0.56, 0.00, 0.17, 0.20
HSL	162°, 53%, 58%
HSV	162°, 56%, 80%
XYZ	32.9661, 48.2240, 45.1168
YIQ	165.9240, -56.7090, -35.0530

# Conversions

## Conversions Part 2

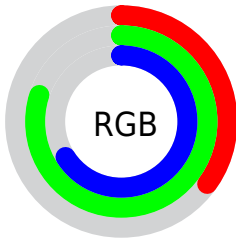
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 157, 204
Decimal	5950633
CIELab	74.97, -40.79, 7.73
CIELCh	75, 41.520, 169.265
Yxy	48.2240, 0.2610, 0.3818
Android (android.graphics.Color)	4284140713 (0xFF5ACCA9)
YUV	165.9240, 1.5165, -66.5853
Hunter-Lab	69.4435, -36.7889, 10.0902

# Details

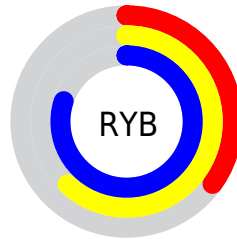
The Yxy color **48.2240, 0.2610, 0.3818** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **21.6157, 0.4260, 0.2855**, and the grayscale version is **38.0992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1977, 0.2695, 0.3650**, and **22.8894, 0.2462, 0.3976** is the 20% darker color. If you saturate the color by 10%, you get **47.1111, 0.2561, 0.3932**, and if you desaturate by 10%, it is **49.6326, 0.2677, 0.3708**.

# Distribution



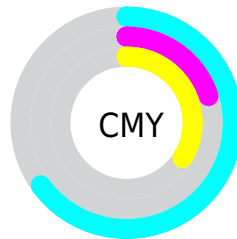
- Red (35%)
- Green (80%)
- Blue (66%)



- Red (35%)
- Yellow (62%)
- Blue (80%)



- Cyan (56%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)



- Cyan (65%)
- Magenta (20%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2240, 0.2610, 0.3818 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 48.2240, 0.2610, 0.3818 by changing the saturation by 10% instead.





 48.2240, 0.2610,  
0.3818

 48.2240, 0.2610,  
0.3818


379.6793, 0.2870,  
0.3548

 34.0043, 0.2545,  
0.3888


 87.5378, 0.2705,  
0.3718

 22.8969, 0.2461,  
0.3978


 113.4007, 0.2740,  
0.3681

 14.5174, 0.2350,  
0.4100


 143.9135, 0.2770,  
0.3650

 8.4814, 0.2194,  
0.4275

 179.4606, 0.2796,  
0.3624

 4.4045, 0.1964,  
0.4543

220.4263, 0.2818,  
0.3601

 1.9023, 0.1533,  
0.5037

267.1951, 0.2838,

 0.5498, 0.0000,

0.3581

0.9047

320.1513, 0.2855,  
0.3563

■ 0.0000, 0.0000,  
0.0000

■ 48.2240, 0.2610,  
0.3818

■ 48.2240, 0.2610,  
0.3818

■ 47.1111, 0.2561,  
0.3932

■ 49.6326, 0.2677,  
0.3708

■ 46.2644, 0.2530,  
0.4049

■ 51.3521, 0.2758,  
0.3604

■ 45.6582, 0.2520,  
0.4166

■ 53.4037, 0.2852,  
0.3506

■ 45.2581, 0.2529,  
0.4282

■ 55.8049, 0.2954,  
0.3416

■ 45.1274, 0.2536,  
0.4329

■ 58.5718, 0.3062,  
0.3335

■ 61.7198, 0.3173,  
0.3261

■ 65.2633, 0.3285,  
0.3195

■ 69.2157, 0.3397,  
0.3137

■ 69.9052, 0.3364,  
0.3075

# Harmonies

## Analogous

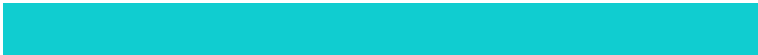
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.2240, 0.3139, 0.4245



48.2240, 0.2610, 0.3818



48.2240, 0.2241, 0.3233

# Triad

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



48.2240, 0.2610, 0.3818



48.2240, 0.2521, 0.2392



48.2240, 0.4274, 0.3680

# Complementary

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



48.2240, 0.2610, 0.3818



21.6157, 0.4260, 0.2855

# 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.



48.2240, 0.4090, 0.3233



48.2240, 0.2610, 0.3818



48.2240, 0.3030, 0.2529

# Square

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



48.2240, 0.2610, 0.3818



48.2240, 0.2198, 0.2455



48.2240, 0.3616, 0.2827



48.2240, 0.4115, 0.4084



# Rectangle

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



48.2240, 0.2610, 0.3818



48.2240, 0.2120, 0.2883



48.2240, 0.3616, 0.2827



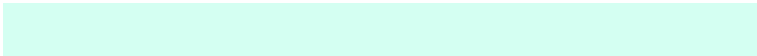
48.2240, 0.4251, 0.3531

# Sweetspot

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



48.2259, 0.2610, 0.3818



91.8582, 0.2940, 0.3428



48.3670, 0.3280, 0.4950



19.4813, 0.2919, 0.3445



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.



48.2259, 0.2610, 0.3818



77.7048, 0.2553, 0.3955



40.4354, 0.2362, 0.2979



12.6662, 0.3024, 0.3362



28.4176, 0.2531, 0.4312



1.4792, 0.2469, 0.4087



# Inverse Universe

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



21.6157, 0.4260, 0.2855



29.4171, 0.4661, 0.2804



24.9086, 0.4625, 0.3555



11.2694, 0.3243, 0.3219



8.3175, 0.5719, 0.2924

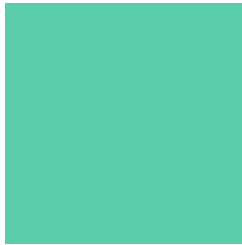


0.4427, 0.5153, 0.2612



# Previews

## White Background



This preview shows how the Yxy color 48.2240, 0.2610, 0.3818 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 48.2240, 0.2610, 0.3818 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

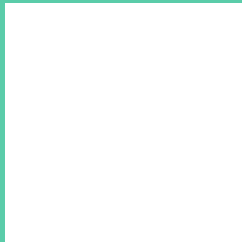
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.2240, 0.2610, 0.3818**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.2240, 0.2610, 0.3818.

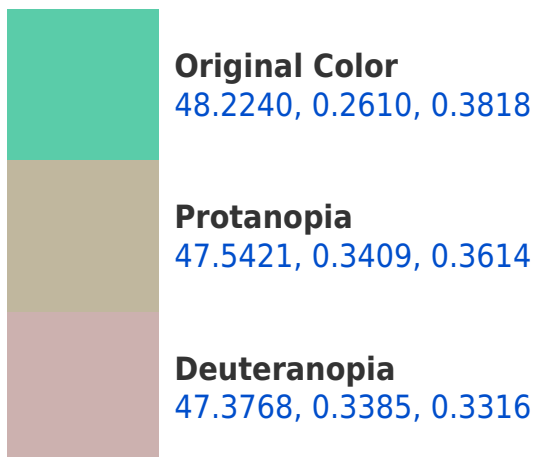


This preview shows how white text looks on a background with the Yxy color 48.2240, 0.2610, 0.3818.

# 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





## Tritanopia

48.2465, 0.2425, 0.3067

# Trichromacy



## Original Color

48.2240, 0.2610, 0.3818



## Protanomaly

46.8388, 0.3052, 0.3697



## Deuteranomaly

46.3443, 0.3036, 0.3482



## Tritanomaly

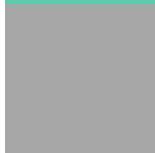
48.0951, 0.2490, 0.3317

# Monochromacy



## Original Color

48.2240, 0.2610, 0.3818



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

40.8358, 0.2880, 0.3482

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2240, 0.2610, 0.3818 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(90, 204, 169)` looks like.

```
.text, #text, p{  
    color:rgb(90, 204, 169)  
}
```

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(90, 204, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 204, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2240, 0.2610, 0.3818 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(90, 204, 169) }
```

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

```
.border{ border-color:rgb(90, 204, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 204, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 204, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 204, 169);  
box-shadow:4px 4px 4px 4px rgb(90, 204,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2240, 0.2610, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 204, 169) }
```

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

```
.background{ background-color: rgb(90, 204,  
169) }
```

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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