

# Converting Colors

$Yxy(48.6854, 0.2626, 0.3993)$

Have a look what the booklet for  
Yxy(48.6854, 0.2626, 0.3993)  
contains.

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# Color

**Yxy(48.5097, 0.2624, 0.3980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52CEA1
RGB	82, 206, 161
RGB Percent	32%, 81%, 63%
CMY	0.6785, 0.1921, 0.3687
CMYK	0.60, 0.00, 0.22, 0.19
HSL	158°, 56%, 56%
HSV	158°, 60%, 81%
XYZ	31.9823, 48.5097, 41.3917
YIQ	163.7940, -59.4590, -40.2830

# Conversions

## Conversions Part 2

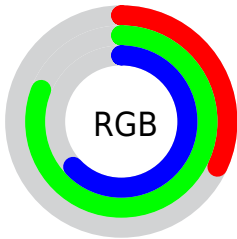
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 158, 206
Decimal	5426849
CIELab	75.15, -45.10, 12.27
CIElCh	75, 46.734, 164.785
Yxy	48.5097, 0.2624, 0.3980
Android (android.graphics.Color)	4283616929 (0xFF52CEA1)
YUV	163.7940, -1.3774, -71.7333
Hunter-Lab	69.6489, -39.9197, 13.5187

# Details

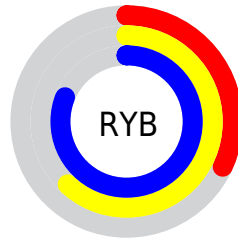
The Yxy color **48.5097, 0.2624, 0.3980** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **20.6875, 0.4286, 0.2745**, and the grayscale version is **37.0480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2287, 0.2705, 0.3750**, and **23.2373, 0.2501, 0.4203** is the 20% darker color. If you saturate the color by 10%, you get **47.4668, 0.2587, 0.4119**, and if you desaturate by 10%, it is **49.8493, 0.2679, 0.3845**.

# Distribution



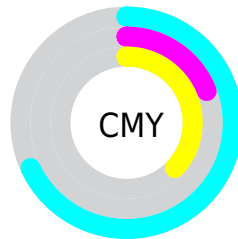
- Red (32%)
- Green (81%)
- Blue (63%)



- Red (32%)
- Yellow (62%)
- Blue (81%)



- Cyan (60%)
- Magenta (0%)
- Yellow (22%)
- Black (19%)



- Cyan (68%)
- Magenta (19%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5097, 0.2624, 0.3980 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 48.5097, 0.2624, 0.3980 by changing the saturation by 10% instead.





 48.5097, 0.2624,  
0.3980

 48.5097, 0.2624,  
0.3980


380.8089, 0.2880,  
0.3622


 34.2307, 0.2559,  
0.4073


 87.9628, 0.2718,  
0.3847

 23.0709, 0.2474,  
0.4195


 113.9057, 0.2753,  
0.3798

 14.6459, 0.2361,  
0.4362


 144.5054, 0.2783,  
0.3757

 8.5712, 0.2201,  
0.4602

 180.1462, 0.2808,  
0.3722

 4.4626, 0.1961,  
0.4975

221.2126, 0.2830,  
0.3692

 1.9355, 0.1451,  
0.5699

268.0889, 0.2849,

 0.5696, 0.0000,

0.3666

1.0000

321.1595, 0.2865,  
0.3643

■ 0.0000, 0.0000,  
0.0000

■ 48.5097, 0.2624,  
0.3980

■ 48.5097, 0.2624,  
0.3980

■ 47.4668, 0.2587,  
0.4119

■ 49.8493, 0.2679,  
0.3845

■ 46.6890, 0.2570,  
0.4260

■ 51.5027, 0.2749,  
0.3716

■ 46.1474, 0.2574,  
0.4400

■ 53.4923, 0.2832,  
0.3596

■ 45.7905, 0.2593,  
0.4534

■ 55.8366, 0.2924,  
0.3485

■ 58.5531, 0.3023,  
0.3383

■ 61.6578, 0.3125,  
0.3292

■ 65.1660, 0.3229,  
0.3210

■ 69.0919, 0.3332,  
0.3137

■ 71.0228, 0.3340,  
0.3066

# Harmonies

## Analogous

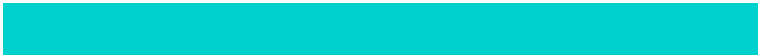
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.5097, 0.3226, 0.4414



48.5097, 0.2624, 0.3980



48.5097, 0.2185, 0.3317

# Triad

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



48.5097, 0.2624, 0.3980



48.5097, 0.2383, 0.2292



48.5097, 0.4408, 0.3636

# Complementary

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



48.5097, 0.2624, 0.3980



20.6875, 0.4286, 0.2745

# 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.



48.5097, 0.4147, 0.3148



48.5097, 0.2624, 0.3980



48.5097, 0.2920, 0.2413

# Square

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



48.5097, 0.2624, 0.3980



48.5097, 0.2065, 0.2389



48.5097, 0.3577, 0.2717



48.5097, 0.4277, 0.4103



# Rectangle

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



48.5097, 0.2624, 0.3980



48.5097, 0.2029, 0.2906



48.5097, 0.3577, 0.2717



48.5097, 0.4364, 0.3472

# Sweetspot

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



48.5116, 0.2624, 0.3980



91.2830, 0.2943, 0.3464



49.3019, 0.3325, 0.5056



19.2782, 0.2915, 0.3495



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.



48.5116, 0.2624, 0.3980



76.5212, 0.2581, 0.4157



42.8475, 0.2340, 0.3045



12.6552, 0.3031, 0.3375



28.2137, 0.2587, 0.4514



1.4698, 0.2513, 0.4246



# Inverse Universe

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



20.6875, 0.4286, 0.2745



27.6536, 0.4688, 0.2695



22.5651, 0.4857, 0.3491



11.2799, 0.3234, 0.3206



8.4079, 0.5507, 0.2807

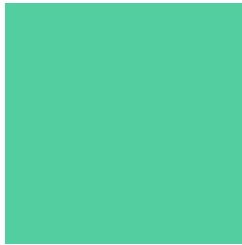


0.4482, 0.4966, 0.2509



# Previews

## White Background



This preview shows how the Yxy color 48.5097, 0.2624, 0.3980 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 48.5097, 0.2624, 0.3980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

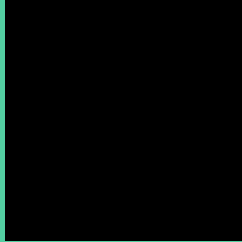
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.5097, 0.2624, 0.3980**

## Background



This preview shows how black text looks on a background with the Yxy color 48.5097, 0.2624, 0.3980.

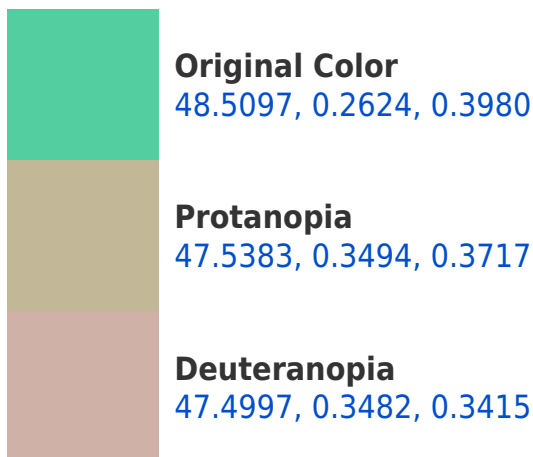


This preview shows how white text looks on a background with the Yxy color 48.5097, 0.2624, 0.3980.

# 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

48.5198, 0.2405, 0.3067

# Trichromacy



## Original Color

48.5097, 0.2624, 0.3980



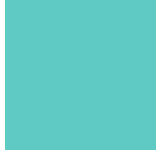
## Protanomaly

46.3670, 0.3094, 0.3816



## Deuteranomaly

46.3644, 0.3088, 0.3608



## Tritanomaly

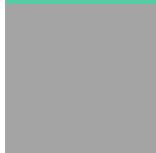
48.5609, 0.2484, 0.3389

# Monochromacy



## Original Color

48.5097, 0.2624, 0.3980



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

39.9529, 0.2878, 0.3531

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5097, 0.2624, 0.3980 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(82, 206, 161)` looks like.

```
.text, #text, p{  
    color:rgb(82, 206, 161)  
}
```

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(82, 206, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 206, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5097, 0.2624, 0.3980 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(82, 206, 161) }
```

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

```
.border{ border-color:rgb(82, 206, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 206, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 206, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 206, 161);  
box-shadow:4px 4px 4px 4px rgb(82, 206,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5097, 0.2624, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 206, 161) }
```

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

```
.background{ background-color: rgb(82, 206,  
161) }
```

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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