

# Converting Colors

$Yxy(48.0959, 0.2865, 0.3973)$

Have a look what the booklet for  
Yxy(48.0959, 0.2865, 0.3973)  
contains.

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# Color

**Yxy(48.2774, 0.2864, 0.3970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AC99B
RGB	122, 201, 155
RGB Percent	48%, 79%, 61%
CMY	0.5216, 0.2117, 0.3921
CMYK	0.39, 0.00, 0.23, 0.21
HSL	145°, 42%, 63%
HSV	145°, 39%, 79%
XYZ	34.8278, 48.2774, 38.5003
YIQ	172.1350, -32.3180, -31.0540

# Conversions

## Conversions Part 2

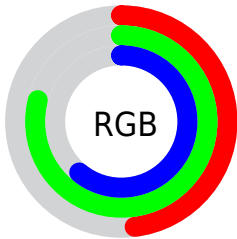
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 178, 201
Decimal	8047003
CIELab	75.00, -34.45, 15.47
CIELCh	75, 37.760, 155.816
Yxy	48.2774, 0.2864, 0.3970
Android (android.graphics.Color)	4286237083 (0xFF7AC99B)
YUV	172.1350, -8.4476, -43.9684
Hunter-Lab	69.4819, -32.1203, 15.7845

# Details

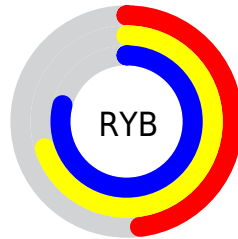
The Yxy color **48.2774, 0.2864, 0.3970** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.1584, 0.3531, 0.2702**, and the grayscale version is **41.3818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5203, 0.2911, 0.3800**, and **22.7862, 0.2775, 0.4170** is the 20% darker color. If you saturate the color by 10%, you get **46.5868, 0.2814, 0.4183**, and if you desaturate by 10%, it is **50.3135, 0.2924, 0.3772**.

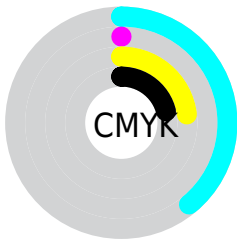
# Distribution



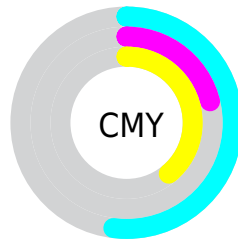
- Red (48%)
- Green (79%)
- Blue (61%)



- Red (48%)
- Yellow (70%)
- Blue (79%)



- Cyan (39%)
- Magenta (0%)
- Yellow (23%)
- Black (21%)




- Cyan (52%)
- Magenta (21%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2774, 0.2864, 0.3970 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 48.2774, 0.2864, 0.3970 by changing the saturation by 10% instead.





 48.2774, 0.2864,  
0.3970

 48.2774, 0.2864,  
0.3970


379.8906, 0.3002,  
0.3617


 34.0466, 0.2827,  
0.4062


 87.6173, 0.2916,  
0.3839

 22.9294, 0.2779,  
0.4184


 113.4952, 0.2935,  
0.3790

 14.5414, 0.2713,  
0.4349

 144.0242, 0.2951,  
0.3750

 8.4982, 0.2616,  
0.4588

179.5888, 0.2964,  
0.3715

 4.4153, 0.2461,  
0.4963

220.5734, 0.2976,  
0.3685

 1.9085, 0.2187,  
0.5659

267.3622, 0.2986,

 0.5535, 0.0000,

0.3660

1.0000

320.3399, 0.2994,  
0.3637

0.0000, 0.0000,  
0.0000

48.2774, 0.2864,  
0.3970

48.2774, 0.2864,  
0.3970

46.5868, 0.2814,  
0.4183

50.3135, 0.2924,  
0.3772

45.2157, 0.2776,  
0.4406

52.7074, 0.2991,  
0.3590

44.1442, 0.2754,  
0.4634


55.4780, 0.3061,  
0.3427


43.3471, 0.2751,  
0.4859


58.6412, 0.3132,  
0.3281

42.7952, 0.2767,  
0.5073

62.2118, 0.3203,  
0.3151


 42.4383, 0.2798,  
0.5269

 66.2040, 0.3273,  
0.3038

 42.4168, 0.2801,  
0.5282

 69.1446, 0.3282,  
0.2932

 69.8505, 0.3197,  
0.2821

 70.2561, 0.3152,  
0.2762

# Harmonies

## Analogous

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



48.2774, 0.3375, 0.4226



48.2774, 0.2864, 0.3970



48.2774, 0.2446, 0.3480

# Triad

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



48.2774, 0.2864, 0.3970



48.2774, 0.2415, 0.2468



48.2774, 0.4133, 0.3470

# Complementary

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



48.2774, 0.2864, 0.3970



29.1584, 0.3531, 0.2702

# 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.



48.2774, 0.3834, 0.3066



48.2774, 0.2864, 0.3970



48.2774, 0.2815, 0.2513

# Square

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



48.2774, 0.2864, 0.3970



48.2774, 0.2207, 0.2620



48.2774, 0.3336, 0.2727



48.2774, 0.4129, 0.3868



# Rectangle

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



48.2774, 0.2864, 0.3970



48.2774, 0.2268, 0.3132



48.2774, 0.3336, 0.2727



48.2774, 0.4064, 0.3333

# Sweetspot

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



48.2794, 0.2864, 0.3970



93.5570, 0.3040, 0.3471



51.5142, 0.3429, 0.4355



19.8878, 0.3031, 0.3493



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.



48.2794, 0.2864, 0.3970



80.1969, 0.2821, 0.4147



49.8262, 0.2625, 0.3381



11.9602, 0.3060, 0.3428



26.6856, 0.2793, 0.5255



1.2779, 0.2676, 0.4833



# Inverse Universe

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



29.1584, 0.3531, 0.2702



43.0325, 0.3654, 0.2581



27.9059, 0.4019, 0.3206



10.7387, 0.3200, 0.3156



8.6334, 0.4599, 0.2307



0.4230, 0.4233, 0.2106



# Previews

## White Background



This preview shows how the Yxy color 48.2774, 0.2864, 0.3970 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 48.2774, 0.2864, 0.3970 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 48.2774, 0.2864, 0.3970**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2774, 0.2864, 0.3970.

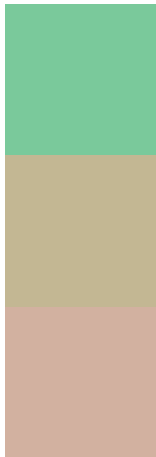


This preview shows how white text looks on a background with the Yxy color 48.2774, 0.2864, 0.3970.

# 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

48.2774, 0.2864, 0.3970

### Protanopia

47.5757, 0.3528, 0.3755

### Deuteranopia

47.6840, 0.3571, 0.3500



## Tritanopia

48.2554, 0.2598, 0.3086

# Trichromacy



## Original Color

48.2774, 0.2864, 0.3970



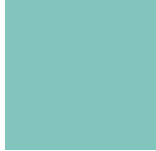
## Protanomaly

47.3538, 0.3249, 0.3840



## Deuteranomaly

47.0514, 0.3279, 0.3666



## Tritanomaly

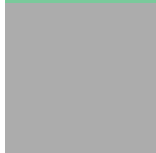
48.3525, 0.2698, 0.3401

# Monochromacy



## Original Color

48.2774, 0.2864, 0.3970



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

43.4902, 0.3016, 0.3532

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2774, 0.2864, 0.3970 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(122, 201, 155)` looks like.

```
.text, #text, p{  
    color:rgb(122, 201, 155)  
}
```

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(122, 201, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 201, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2774, 0.2864, 0.3970 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(122, 201, 155) }
```

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

```
.border{ border-color:rgb(122, 201, 155) }
```

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

Here you see how a box with a 4 pixel rgb(122, 201, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 201, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 201, 155);  
box-shadow:4px 4px 4px 4px rgb(122, 201,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2774, 0.2864, 0.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 201, 155) }
```

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

```
.background{ background-color: rgb(122,  
201, 155) }
```

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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