

# Converting Colors

$Yxy(48.2666, 0.3274, 0.3833)$

Have a look what the booklet for  
Yxy(48.2666, 0.3274, 0.3833)  
contains.

<b>Yxy(48.2666, 0.3274, 0.3833)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(48.2666, 0.3274, 0.3833)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACBF97
RGB	172, 191, 151
RGB Percent	67%, 75%, 59%
CMY	0.3256, 0.2509, 0.4078
CMYK	0.10, 0.00, 0.21, 0.25
HSL	89°, 24%, 67%
HSV	89°, 21%, 75%
XYZ	41.2275, 48.2666, 36.4298
YIQ	180.7590, 1.5160, -16.4680

# Conversions

## Conversions Part 2

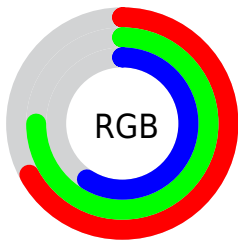
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">151, 191, 170</a>
Decimal	<a href="#">11321239</a>
CIELab	<a href="#">74.99, -13.72, 18.04</a>
CIElCh	<a href="#">75, 22.665, 127.258</a>
Yxy	<a href="#">48.2666, 0.3274, 0.3833</a>
Android (android.graphics.Color)	<a href="#">4289511319 (0xFFACBF97)</a>
YUV	<a href="#">180.7590, -14.6712, -7.6816</a>
Hunter-Lab	<a href="#">69.4742, -15.6541, 17.5424</a>

# Details

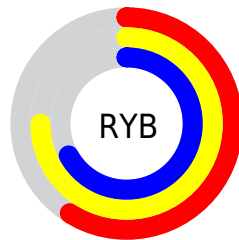
The Yxy color  $48.2666, 0.3274, 0.3833$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $34.4537, 0.2953, 0.2745$ , and the grayscale version is  $46.1514, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.4233, 0.3255, 0.3731$ , and  $23.0190, 0.3303, 0.4002$  is the 20% darker color. If you saturate the color by 10%, you get  $46.7039, 0.3340, 0.4119$ , and if you desaturate by 10%, it is  $50.0044, 0.3204, 0.3563$ .

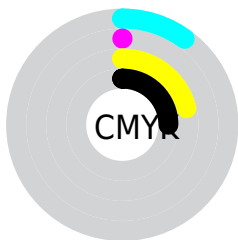
# Distribution



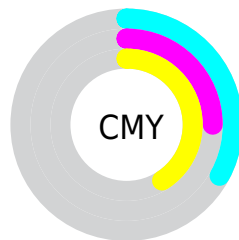
- Red (67%)
- Green (75%)
- Blue (59%)



- Red (59%)
- Yellow (75%)
- Blue (67%)



- Cyan (10%)
- Magenta (0%)
- Yellow (21%)
- Black (25%)




- Cyan (33%)
- Magenta (25%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2666, 0.3274, 0.3833 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 48.2666, 0.3274, 0.3833 by changing the saturation by 10% instead.





 48.2666, 0.3274,  
0.3833


 48.2666, 0.3274,  
0.3833


379.8479, 0.3205,  
0.3556

 34.0381, 0.3290,  
0.3904


 87.6012, 0.3250,  
0.3731

 22.9228, 0.3309,  
0.3995


 113.4761, 0.3241,  
0.3693

 14.5365, 0.3333,  
0.4118


144.0018, 0.3233,  
0.3662

 8.4948, 0.3362,  
0.4292

179.5629, 0.3226,  
0.3634

 4.4131, 0.3397,  
0.4555

220.5436, 0.3219,  
0.3611

 1.9072, 0.3480,  
0.5069

267.3284, 0.3214,

 0.5527, 0.2562,

0.3590

0.7438

320.3017, 0.3209,  
0.3572

0.0000, 0.0000,  
0.0000

48.2666, 0.3274,  
0.3833

48.2666, 0.3274,  
0.3833

46.7039, 0.3340,  
0.4119

50.0044, 0.3204,  
0.3563

45.3038, 0.3398,  
0.4413

51.9169, 0.3134,  
0.3312

44.0617, 0.3445,  
0.4705

54.0118, 0.3064,  
0.3083

42.9704, 0.3476,  
0.4982

56.2943, 0.2997,  
0.2876

42.0220, 0.3487,  
0.5230

58.7694, 0.2934,  
0.2690

■ 41.2075, 0.3475,  
0.5434

■ 60.7386, 0.2944,  
0.2622

■ 40.5167, 0.3442,  
0.5586

■ 62.2520, 0.3011,  
0.2635

■ 39.9808, 0.3398,  
0.5684

■ 63.8444, 0.3079,  
0.2648

■ 65.5172, 0.3147,  
0.2661

# Harmonies

## Analogous

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



48.2666, 0.3556, 0.3825



48.2666, 0.3274, 0.3833



48.2666, 0.2962, 0.3673

# Triad

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



48.2666, 0.3274, 0.3833



48.2666, 0.2558, 0.2880



48.2666, 0.3562, 0.3171

# Complementary

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



48.2666, 0.3274, 0.3833



34.4537, 0.2953, 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.



48.2666, 0.3274, 0.2948



48.2666, 0.3274, 0.3833



48.2666, 0.2699, 0.2779

# Square

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



48.2666, 0.3274, 0.3833



48.2666, 0.2559, 0.3100



48.2666, 0.2957, 0.2807



48.2666, 0.3731, 0.3430



# Rectangle

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



48.2666, 0.3274, 0.3833



48.2666, 0.2779, 0.3495



48.2666, 0.2957, 0.2807



48.2666, 0.3475, 0.3090

# Sweetspot

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



48.2687, 0.3274, 0.3833



91.1665, 0.3170, 0.3439



41.9429, 0.3492, 0.3538



19.9699, 0.3175, 0.3456



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.



48.2687, 0.3274, 0.3833



85.1534, 0.3304, 0.3959



46.2101, 0.3111, 0.3861



10.8890, 0.3193, 0.3522



26.3203, 0.3407, 0.5677



1.0697, 0.3589, 0.5532



# Inverse Universe

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



34.4537, 0.2953, 0.2745



56.0881, 0.2909, 0.2618



36.8074, 0.3138, 0.2775



9.4420, 0.3056, 0.3058



3.9778, 0.1989, 0.0869



0.1948, 0.2261, 0.1019



# Previews

## White Background



This preview shows how the Yxy color 48.2666, 0.3274, 0.3833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

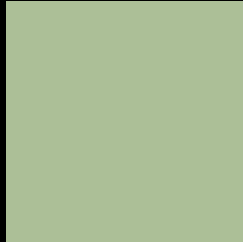
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.2666, 0.3274, 0.3833 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

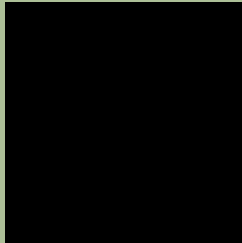
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.2666, 0.3274, 0.3833**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.2666, 0.3274, 0.3833.



This preview shows how white text looks on a background with the Yxy color 48.2666, 0.3274, 0.3833.

# 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

48.2666, 0.3274, 0.3833

### Protanopia

48.1549, 0.3526, 0.3752

### Deuteranopia

47.9235, 0.3652, 0.3572



## Tritanopia

47.9882, 0.2972, 0.3098

# Trichromacy



## Original Color

48.2666, 0.3274, 0.3833

## Protanomaly

48.2754, 0.3429, 0.3789

## Deuteranomaly

47.7616, 0.3508, 0.3661

## Tritanomaly

48.1482, 0.3075, 0.3355

# Monochromacy



## Original Color

48.2666, 0.3274, 0.3833

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

47.0652, 0.3185, 0.3489

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2666, 0.3274, 0.3833 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(172, 191, 151)` looks like.

```
.text, #text, p{  
    color:rgb(172, 191, 151)  
}
```

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(172, 191, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 191, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2666, 0.3274, 0.3833 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(172, 191, 151) }
```

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

```
.border{ border-color:rgb(172, 191, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 191, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 191, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 191, 151);  
box-shadow:4px 4px 4px 4px rgb(172, 191,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2666, 0.3274, 0.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 191, 151) }
```

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

```
.background{ background-color: rgb(172,  
191, 151) }
```

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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