

# Converting Colors

$Y_{xy}(47.3502, 0.3383, 0.3721)$

Have a look what the booklet for  
Yxy(47.3502, 0.3383, 0.3721)  
contains.

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# Color

**Yxy(47.3121, 0.3383, 0.3713)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9B999
RGB	185, 185, 153
RGB Percent	73%, 73%, 60%
CMY	0.2745, 0.2745, 0.3999
CMYK	0.00, 0.00, 0.17, 0.27
HSL	60°, 19%, 66%
HSV	60°, 17%, 73%
XYZ	43.1071, 47.3121, 37.0036
YIQ	181.3520, 10.2720, -9.9520

# Conversions

## Conversions Part 2

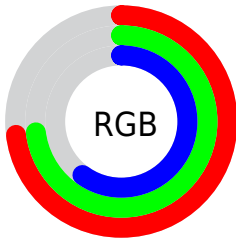
Format	Color
<b>RYB</b>	153, 185, 153
Decimal	12171673
CIELab	74.39, -5.45, 16.27
CIELCh	74, 17.162, 108.523
Yxy	47.3121, 0.3383, 0.3713
Android (android.graphics.Color)	4290361753 (0xFFB9B999)
YUV	181.3520, -13.9775, 3.1993
Hunter-Lab	68.7838, -8.5048, 16.2524

# Details

The Yxy color **47.3121, 0.3383, 0.3713** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.0651, 0.2848, 0.2829**, and the grayscale version is **46.4834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1164, 0.3339, 0.3640**, and **22.3674, 0.3455, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **46.7491, 0.3533, 0.3961**, and if you desaturate by 10%, it is **47.9740, 0.3233, 0.3466**.

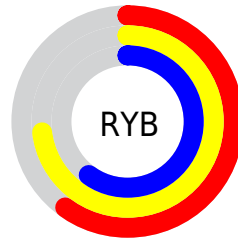
# Distribution



Red (73%)

Green (73%)

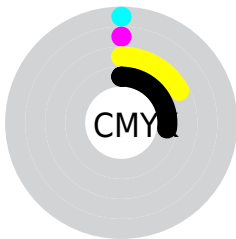
Blue (60%)



Red (60%)

Yellow (73%)

Blue (60%)

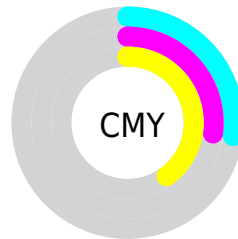


Cyan (0%)

Magenta (0%)

Yellow (17%)

Black (27%)



Cyan (27%)

Magenta (27%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3121, 0.3383, 0.3713 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 47.3121, 0.3383, 0.3713 by changing the saturation by 10% instead.




 47.3121, 0.3383,  
0.3713


 47.3121, 0.3383,  
0.3713


376.0589, 0.3257,  
0.3500

 33.2825, 0.3414,  
0.3767


 86.1793, 0.3338,  
0.3635

 22.3429, 0.3453,  
0.3836


 111.7856, 0.3321,  
0.3606

 14.1091, 0.3504,  
0.3928


142.0197, 0.3306,  
0.3581

 8.1966, 0.3573,  
0.4057

177.2658, 0.3293,  
0.3560

 4.2210, 0.3670,  
0.4248

217.9084, 0.3283,  
0.3542

 1.7979, 0.3858,  
0.4611

264.3318, 0.3273,

 0.4859, 0.4035,

0.3526

0.5965

316.9206, 0.3264,  
0.3512

0.0000, 0.0000,  
0.0000

47.3121, 0.3383,  
0.3713

47.3121, 0.3383,  
0.3713

46.7491, 0.3533,  
0.3961

47.9740, 0.3233,  
0.3466

46.2745, 0.3679,  
0.4203

48.7328, 0.3088,  
0.3226

45.8856, 0.3815,  
0.4428

49.5942, 0.2951,  
0.2998

45.5773, 0.3936,  
0.4627

50.5619, 0.2822,  
0.2785

45.3440, 0.4036,  
0.4793

51.6394, 0.2703,  
0.2589

■ 45.1793, 0.4111,  
0.4918

■ 52.2354, 0.2646,  
0.2494

■ 45.0757, 0.4161,  
0.5000

■ 52.2357, 0.2646,  
0.2494

■ 45.0225, 0.4187,  
0.5044

■ 52.2360, 0.2646,  
0.2494

■ 45.0114, 0.4193,  
0.5053

■ 52.2363, 0.2646,  
0.2494

# Harmonies

## Analogous

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



47.3121, 0.3550, 0.3638



47.3121, 0.3383, 0.3713



47.3121, 0.3152, 0.3667

# Triad

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



47.3121, 0.3383, 0.3713



47.3121, 0.2675, 0.3076



47.3121, 0.3329, 0.3086

# Complementary

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



47.3121, 0.3383, 0.3713



33.0651, 0.2848, 0.2829

# 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.



47.3121, 0.3088, 0.2948



47.3121, 0.3383, 0.3713



47.3121, 0.2717, 0.2936

# Square

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



47.3121, 0.3383, 0.3713



47.3121, 0.2748, 0.3286



47.3121, 0.2866, 0.2892



47.3121, 0.3520, 0.3275



# Rectangle

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



47.3121, 0.3383, 0.3713



47.3121, 0.2993, 0.3571



47.3121, 0.2866, 0.2892



47.3121, 0.3251, 0.3032

# Sweetspot

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



47.3142, 0.3383, 0.3713



86.2018, 0.3201, 0.3412



35.4030, 0.3454, 0.3291



18.5638, 0.3211, 0.3429



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.3142, 0.3383, 0.3713



84.3053, 0.3444, 0.3814



45.4361, 0.3242, 0.3732



10.5033, 0.3264, 0.3516



30.6474, 0.4193, 0.5053



1.0804, 0.4193, 0.5053



# Inverse Universe

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



33.0651, 0.2848, 0.2829



53.6911, 0.2774, 0.2706



34.7269, 0.2995, 0.2848



8.7195, 0.2984, 0.3054



2.3852, 0.1500, 0.0600



0.0841, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 47.3121, 0.3383, 0.3713 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 47.3121, 0.3383, 0.3713 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

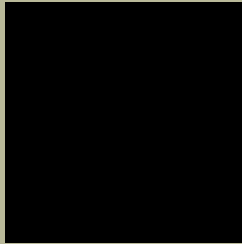
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

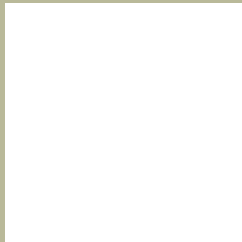
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.3121, 0.3383, 0.3713**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.3121, 0.3383, 0.3713.



This preview shows how white text looks on a background with the Yxy color 47.3121, 0.3383, 0.3713.

# 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

47.3121, 0.3383, 0.3713

### Protanopia

47.0604, 0.3471, 0.3680

### Deuteranopia

47.1189, 0.3618, 0.3550



## Tritanopia

47.0376, 0.3110, 0.3114

# Trichromacy



## Original Color

47.3121, 0.3383, 0.3713

## Protanomaly

47.0811, 0.3441, 0.3696

## Deuteranomaly

46.9908, 0.3535, 0.3608

## Tritanomaly

46.9535, 0.3212, 0.3329

# Monochromacy



## Original Color

47.3121, 0.3383, 0.3713

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.3413, 0.3215, 0.3435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.3121, 0.3383, 0.3713 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(185, 185, 153)` looks like.

```
.text, #text, p{  
    color:rgb(185, 185, 153)  
}
```

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(185, 185, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 185, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 47.3121, 0.3383, 0.3713 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(185, 185, 153) }
```

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

```
.border{ border-color:rgb(185, 185, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 185, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 185, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 185, 153);  
box-shadow:4px 4px 4px 4px rgb(185, 185,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.3121, 0.3383, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 185, 153) }
```

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

```
.background{ background-color: rgb(185,  
185, 153) }
```

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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