

# Converting Colors

$Y_{xy}(43.1142, 0.3834, 0.4241)$

Have a look what the booklet for  
Yxy(43.1142, 0.3834, 0.4241)  
contains.

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# Color

**Yxy(43.1556, 0.3832, 0.4239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCB169
RGB	188, 177, 105
RGB Percent	74%, 69%, 41%
CMY	0.2627, 0.3059, 0.5882
CMYK	0.00, 0.06, 0.44, 0.26
HSL	52°, 38%, 57%
HSV	52°, 44%, 74%
XYZ	39.0121, 43.1556, 19.6384
YIQ	172.0810, 29.6680, -20.0600

# Conversions

## Conversions Part 2

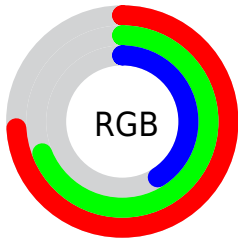
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 188, 105
Decimal	12366185
CIELab	71.66, -6.26, 38.14
CIELCh	72, 38.649, 99.325
Yxy	43.1556, 0.3832, 0.4239
Android (android.graphics.Color)	4290556265 (0xFFBCB169)
YUV	172.0810, -33.0709, 13.9610
Hunter-Lab	65.6929, -8.9594, 28.2608

# Details

The Yxy color **43.1556, 0.3832, 0.4239** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.1264, 0.2339, 0.2115**, and the grayscale version is **41.4589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3050, 0.3716, 0.4075**, and **19.9393, 0.3999, 0.4499** is the 20% darker color. If you saturate the color by 10%, you get **41.8372, 0.3988, 0.4430**, and if you desaturate by 10%, it is **44.5814, 0.3668, 0.4030**.

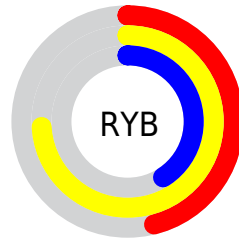
# Distribution



Red (74%)

Green (69%)

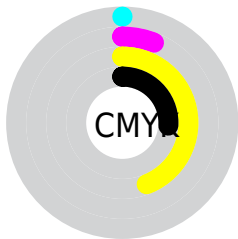
Blue (41%)



Red (46%)

Yellow (74%)

Blue (41%)

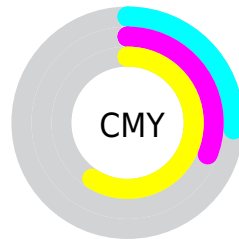


Cyan (0%)

Magenta (6%)

Yellow (44%)

Black (26%)



Cyan (26%)

Magenta (31%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1556, 0.3832, 0.4239 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 43.1556, 0.3832, 0.4239 by changing the saturation by 10% instead.



 43.1556, 0.3832,  
0.4239


 43.1556, 0.3832,  
0.4239


359.2513, 0.3489,  
0.3762


 30.0072, 0.3911,  
0.4355


 79.9456, 0.3711,  
0.4067

 19.8441, 0.4007,  
0.4499


 104.3560, 0.3665,  
0.4002

 12.2817, 0.4123,  
0.4683


 133.2893, 0.3625,  
0.3947

 6.9359, 0.4259,  
0.4917

 167.1297, 0.3590,  
0.3899

 3.4220, 0.4579,  
0.5421

206.2617, 0.3560,  
0.3858

 1.3558, 0.4470,  
0.5530

251.0697, 0.3533,

 0.1838, 0.1062,

0.3822

0.8938

301.9381, 0.3510,  
0.3790

0.0000, 0.0000,  
0.0000

43.1556, 0.3832,  
0.4239

43.1556, 0.3832,  
0.4239

41.8372, 0.3988,  
0.4430

44.5814, 0.3668,  
0.4030

40.6144, 0.4130,  
0.4593

46.1140, 0.3504,  
0.3811

39.4828, 0.4252,  
0.4719


47.7602, 0.3342,  
0.3591


38.4349, 0.4348,  
0.4802

49.5244, 0.3188,  
0.3377


37.4618, 0.4416,  
0.4841

51.4109, 0.3044,  
0.3171

 36.9165, 0.4448,  
0.4850

 53.4238, 0.2910,  
0.2978

 55.5669, 0.2788,  
0.2799

 57.8175, 0.2679,  
0.2637

 58.9582, 0.2682,  
0.2666

# Harmonies

## Analogous

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



43.1556, 0.4168, 0.3942



43.1556, 0.3832, 0.4239



43.1556, 0.3323, 0.4275

# Triad

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



43.1556, 0.3832, 0.4239



43.1556, 0.2151, 0.2898



43.1556, 0.3415, 0.2731

# Complementary

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



43.1556, 0.3832, 0.4239



19.1264, 0.2339, 0.2115

# 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.



43.1556, 0.2855, 0.2488



43.1556, 0.3832, 0.4239



43.1556, 0.2169, 0.2549

# Square

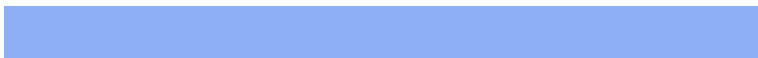
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



43.1556, 0.3832, 0.4239



43.1556, 0.2365, 0.3424



43.1556, 0.2414, 0.2417



43.1556, 0.3930, 0.3099



# Rectangle

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



43.1556, 0.3832, 0.4239



43.1556, 0.2959, 0.4104



43.1556, 0.2414, 0.2417



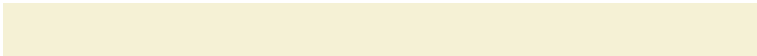
43.1556, 0.3224, 0.2634

# Sweetspot

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



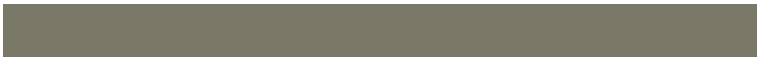
43.1576, 0.3832, 0.4239



86.8425, 0.3328, 0.3571



22.0583, 0.4119, 0.3138



18.5283, 0.3363, 0.3619



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



43.1576, 0.3832, 0.4239



75.8835, 0.3984, 0.4425



44.2146, 0.3495, 0.4473



10.8989, 0.3267, 0.3487



25.2112, 0.4444, 0.4853



1.0482, 0.4376, 0.4908



# Inverse Universe

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



19.1264, 0.2339, 0.2115



26.8006, 0.2145, 0.1807



18.9219, 0.2599, 0.2033



9.4238, 0.2984, 0.3085



3.0068, 0.1532, 0.0714



0.1849, 0.1625, 0.1050



# Previews

## White Background



This preview shows how the Yxy color 43.1556, 0.3832, 0.4239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

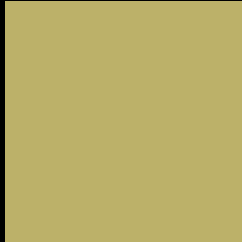
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.1556, 0.3832, 0.4239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

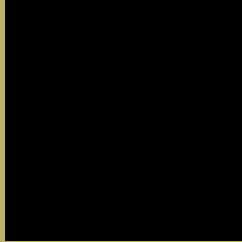
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.1556, 0.3832, 0.4239**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.1556, 0.3832, 0.4239.



This preview shows how white text looks on a background with the Yxy color 43.1556, 0.3832, 0.4239.

# 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

43.1556, 0.3832, 0.4239

### Protanopia

43.2566, 0.3884, 0.4226

### Deuteranopia

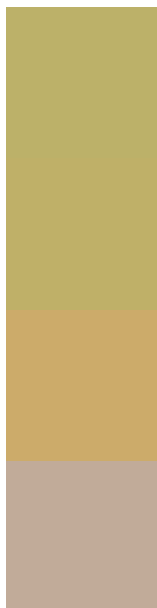
43.2129, 0.4112, 0.4030



## Tritanopia

43.0772, 0.3273, 0.3125

# Trichromacy



## Original Color

43.1556, 0.3832, 0.4239

## Protanomaly

43.1265, 0.3874, 0.4229

## Deuteranomaly

43.0038, 0.4014, 0.4104

## Tritanomaly

42.7632, 0.3490, 0.3527

# Monochromacy



## Original Color

43.1556, 0.3832, 0.4239

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.8752, 0.3384, 0.3649

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1556, 0.3832, 0.4239 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(188, 177, 105)` looks like.

```
.text, #text, p{  
    color:rgb(188, 177, 105)  
}
```

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(188, 177, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 177, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1556, 0.3832, 0.4239 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(188, 177, 105) }
```

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

```
.border{ border-color:rgb(188, 177, 105) }
```

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

Here you see how a box with a 4 pixel rgb(188, 177, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 177, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 177, 105);  
box-shadow:4px 4px 4px 4px rgb(188, 177,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1556, 0.3832, 0.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 177, 105) }
```

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

```
.background{ background-color: rgb(188,  
177, 105) }
```

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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