

# Converting Colors

$Yxy(42.1746, 0.3346, 0.3348)$

Have a look what the booklet for  
Yxy(42.1746, 0.3346, 0.3348)  
contains.

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# Color

**Yxy(42.2849, 0.3346, 0.3357)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDAAA5
RGB	189, 170, 165
RGB Percent	74%, 67%, 65%
CMY	0.2589, 0.3333, 0.3530
CMYK	0.00, 0.10, 0.13, 0.26
HSL	13°, 15%, 69%
HSV	13°, 13%, 74%
XYZ	42.1463, 42.2849, 41.5291
YIQ	175.1110, 12.9290, 2.4730

# Conversions

## Conversions Part 2

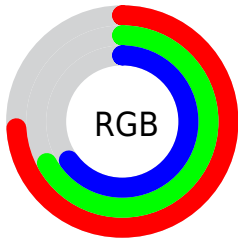
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 171, 165
Decimal	12429989
CIELab	71.07, 5.99, 5.07
CIELCh	71, 7.851, 40.256
Yxy	42.2849, 0.3346, 0.3357
Android (android.graphics.Color)	4290620069 (0xFFBDAAA5)
YUV	175.1110, -4.9847, 12.1807
Hunter-Lab	65.0268, 1.8956, 7.6535

# Details

The Yxy color  $42.2849, 0.3346, 0.3357$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $45.9274, 0.2934, 0.3222$ , and the grayscale version is  $42.9505, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.4302, 0.3302, 0.3342$ , and  $19.3834, 0.3421, 0.3381$  is the 20% darker color. If you saturate the color by 10%, you get  $36.3635, 0.3559, 0.3414$ , and if you desaturate by 10%, it is  $48.9478, 0.3169, 0.3304$ .

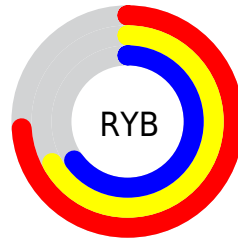
# Distribution



Red (74%)

Green (67%)

Blue (65%)



Red (74%)

Yellow (67%)

Blue (65%)

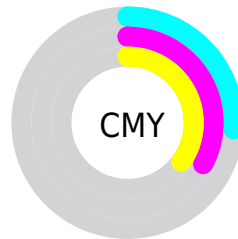


Cyan (0%)

Magenta (10%)

Yellow (13%)

Black (26%)



Cyan (26%)

Magenta (33%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2849, 0.3346, 0.3357 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 42.2849, 0.3346, 0.3357 by changing the saturation by 10% instead.




 42.2849, 0.3346,  
0.3357


 42.2849, 0.3346,  
0.3357


355.6626, 0.3234,  
0.3324

 29.3244, 0.3375,  
0.3365


 78.6306, 0.3305,  
0.3345

 19.3264, 0.3412,  
0.3376


 102.7847, 0.3290,  
0.3341

 11.9064, 0.3462,  
0.3389


131.4387, 0.3277,  
0.3337

 6.6799, 0.3535,  
0.3408

164.9772, 0.3266,  
0.3333

 3.2628, 0.3646,  
0.3435

203.7844, 0.3256,  
0.3331

 1.2704, 0.3841,  
0.3478

248.2447, 0.3248,

 0.1181, 0.6864,

0.3328

0.3136

298.7427, 0.3241,  
0.3326

0.0000, 0.0000,  
0.0000

42.2849, 0.3346,  
0.3357

42.2849, 0.3346,  
0.3357

36.3635, 0.3559,  
0.3414

48.9478, 0.3169,  
0.3304

31.1523, 0.3814,  
0.3472

56.3710, 0.3023,  
0.3254

26.6261, 0.4116,  
0.3529

64.5794, 0.2901,  
0.3209

22.7561, 0.4467,  
0.3578

73.5954, 0.2799,  
0.3168

19.5112, 0.4857,  
0.3613

83.1489, 0.2736,  
0.3178

■ 16.8580, 0.5265,  
0.3624

■ 89.5555, 0.2747,  
0.3289

■ 14.7597, 0.5655,  
0.3602

■ 13.1749, 0.5977,  
0.3544

■ 12.3089, 0.6161,  
0.3490

# Harmonies

## Analogous

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



42.2849, 0.3292, 0.3258



42.2849, 0.3346, 0.3357



42.2849, 0.3340, 0.3440

# Triad

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



42.2849, 0.3346, 0.3357



42.2849, 0.3059, 0.3416



42.2849, 0.2979, 0.3099

# Complementary

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



42.2849, 0.3346, 0.3357



45.9274, 0.2934, 0.3222

# 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.



42.2849, 0.2919, 0.3137



42.2849, 0.3346, 0.3357



42.2849, 0.2964, 0.3319

# Square

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



42.2849, 0.3346, 0.3357



42.2849, 0.3173, 0.3477



42.2849, 0.2913, 0.3217



42.2849, 0.3079, 0.3111



# Rectangle

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



42.2849, 0.3346, 0.3357



42.2849, 0.3303, 0.3476



42.2849, 0.2913, 0.3217



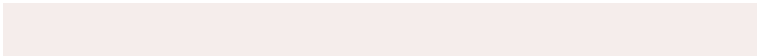
42.2849, 0.2953, 0.3106

# Sweetspot

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



42.2868, 0.3346, 0.3357



85.9794, 0.3192, 0.3311



41.1878, 0.3183, 0.3042



18.2887, 0.3204, 0.3315



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.



42.2868, 0.3346, 0.3357



72.9348, 0.3396, 0.3371



46.8961, 0.3326, 0.3509



9.8520, 0.3283, 0.3339



8.3760, 0.6141, 0.3506



0.4245, 0.5680, 0.3872



# Inverse Universe

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



45.9274, 0.2934, 0.3222



80.6269, 0.2896, 0.3207



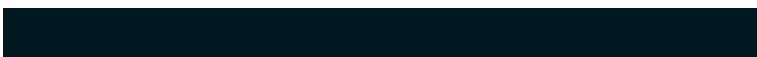
41.2443, 0.2930, 0.3061



10.4605, 0.2985, 0.3241



17.1235, 0.2058, 0.2610

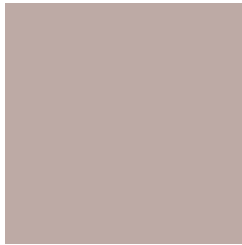


0.7576, 0.2109, 0.2790



# Previews

## White Background



This preview shows how the Yxy color 42.2849, 0.3346, 0.3357 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

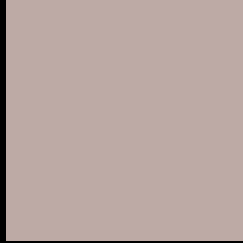
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.2849, 0.3346, 0.3357 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 42.2849, 0.3346, 0.3357**

## Background



This preview shows how black text looks on a background with the Yxy color 42.2849, 0.3346, 0.3357.



This preview shows how white text looks on a background with the Yxy color 42.2849, 0.3346, 0.3357.

# 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

42.2849, 0.3346, 0.3357

### Protanopia

42.2609, 0.3232, 0.3371

### Deuteranopia

42.1912, 0.3397, 0.3330



## Tritanopia

42.4178, 0.3227, 0.3123

# Trichromacy



## Original Color

42.2849, 0.3346, 0.3357

## Protanomaly

42.3255, 0.3278, 0.3371

## Deuteranomaly

42.2990, 0.3376, 0.3343

## Tritanomaly

42.4182, 0.3269, 0.3212

# Monochromacy



## Original Color

42.2849, 0.3346, 0.3357

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

42.5307, 0.3207, 0.3317

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.2849, 0.3346, 0.3357 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(189, 170, 165)` looks like.

```
.text, #text, p{  
    color:rgb(189, 170, 165)  
}
```

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(189, 170, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 170, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 42.2849, 0.3346, 0.3357 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(189, 170, 165) }
```

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

```
.border{ border-color:rgb(189, 170, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 170, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 170, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 170, 165);  
box-shadow:4px 4px 4px 4px rgb(189, 170,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.2849, 0.3346, 0.3357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 170, 165) }
```

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

```
.background{ background-color: rgb(189,  
170, 165) }
```

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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