

# Converting Colors

$Y_{xy}(40.9029, 0.3426, 0.3572)$

Have a look what the booklet for  
Yxy(40.9029, 0.3426, 0.3572)  
contains.

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# Color

**Yxy(40.9867, 0.3432, 0.3577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7AA95
RGB	183, 170, 149
RGB Percent	72%, 67%, 58%
CMY	0.2824, 0.3333, 0.4157
CMYK	0.00, 0.07, 0.19, 0.28
HSL	37°, 19%, 65%
HSV	37°, 19%, 72%
XYZ	39.3252, 40.9867, 34.2721
YIQ	171.4930, 14.4890, -3.7750

# Conversions

## Conversions Part 2

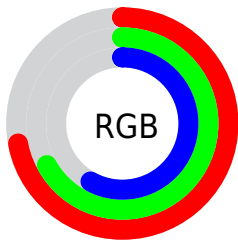
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 183, 149
Decimal	12036757
CIE Lab	70.17, 1.17, 12.52
CIE LCh	70, 12.570, 84.670
Yxy	40.9867, 0.3432, 0.3577
Android (android.graphics.Color)	4290226837 (0xFFB7AA95)
YUV	171.4930, -11.0890, 10.0916
Hunter-Lab	64.0209, -2.3917, 13.0751

# Details

The Yxy color  $40.9867, 0.3432, 0.3577$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $35.6401, 0.2836, 0.2985$ , and the grayscale version is  $41.0371, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.5129, 0.3375, 0.3522$ , and  $18.5845, 0.3530, 0.3668$  is the 20% darker color. If you saturate the color by 10%, you get  $37.8988, 0.3621, 0.3739$ , and if you desaturate by 10%, it is  $44.3093, 0.3260, 0.3419$ .

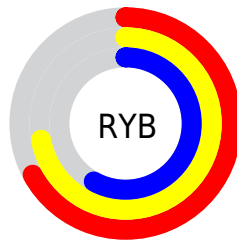
# Distribution



Red (72%)

Green (67%)

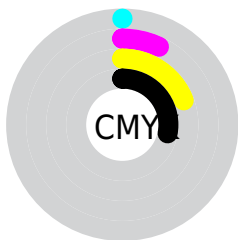
Blue (58%)



Red (67%)

Yellow (72%)

Blue (58%)

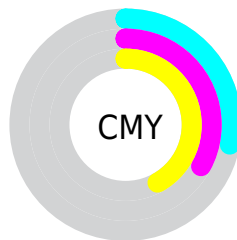


Cyan (0%)

Magenta (7%)

Yellow (19%)

Black (28%)



Cyan (28%)

Magenta (33%)


Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9867, 0.3432, 0.3577 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 40.9867, 0.3432, 0.3577 by changing the saturation by 10% instead.





 40.9867, 0.3432,  
0.3577


 40.9867, 0.3432,  
0.3577


350.2650, 0.3276,  
0.3431

 28.3087, 0.3472,  
0.3614


 76.6637, 0.3375,  
0.3523

 18.5585, 0.3524,  
0.3662

 100.4315, 0.3353,  
0.3503

 11.3517, 0.3594,  
0.3727


128.6647, 0.3335,  
0.3487

 6.3039, 0.3693,  
0.3818

161.7476, 0.3320,  
0.3472

 3.0307, 0.3845,  
0.3956

200.0647, 0.3307,  
0.3460

 1.1478, 0.4289,  
0.4375

244.0004, 0.3295,

 0.0184, 0.7140,

0.3449

0.2860

293.9390, 0.3285,  
0.3439

0.0000, 0.0000,  
0.0000

40.9867, 0.3432,  
0.3577

40.9867, 0.3432,  
0.3577

37.8988, 0.3621,  
0.3739

44.3093, 0.3260,  
0.3419

35.0337, 0.3827,  
0.3901

47.8673, 0.3106,  
0.3269

32.3864, 0.4046,  
0.4056

51.6682, 0.2969,  
0.3128

29.9497, 0.4271,  
0.4193

55.7176, 0.2847,  
0.2998

27.7156, 0.4494,  
0.4302

60.0209, 0.2740,  
0.2878

■ 25.6755, 0.4703,  
0.4371

■ 64.3365, 0.2665,  
0.2806

■ 23.8196, 0.4888,  
0.4392

■ 67.9039, 0.2674,  
0.2887

■ 22.1326, 0.5043,  
0.4365

■ 71.6243, 0.2682,  
0.2967

■ 21.9028, 0.5065,  
0.4360

■ 75.4995, 0.2690,  
0.3046

# Harmonies

## Analogous

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



40.9867, 0.3491, 0.3465



40.9867, 0.3432, 0.3577



40.9867, 0.3291, 0.3614

# Triad

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



40.9867, 0.3432, 0.3577



40.9867, 0.2816, 0.3253



40.9867, 0.3137, 0.3041

# Complementary

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



40.9867, 0.3432, 0.3577



35.6401, 0.2836, 0.2985

# 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.



40.9867, 0.2958, 0.2984



40.9867, 0.3432, 0.3577



40.9867, 0.2777, 0.3100

# Square

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



40.9867, 0.3432, 0.3577



40.9867, 0.2936, 0.3424



40.9867, 0.2828, 0.3004



40.9867, 0.3317, 0.3160



# Rectangle

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



40.9867, 0.3432, 0.3577



40.9867, 0.3171, 0.3587



40.9867, 0.2828, 0.3004



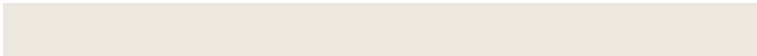
40.9867, 0.3075, 0.3014

# Sweetspot

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



40.9885, 0.3432, 0.3577



80.9080, 0.3221, 0.3381



34.1702, 0.3351, 0.3112



17.7807, 0.3231, 0.3391



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.



40.9885, 0.3432, 0.3577



71.2767, 0.3502, 0.3638



45.6169, 0.3366, 0.3750



9.9117, 0.3273, 0.3431



15.4182, 0.5052, 0.4371



0.6591, 0.4777, 0.4589



# Inverse Universe

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



35.6401, 0.2836, 0.2985



60.0479, 0.2773, 0.2915



31.6824, 0.2862, 0.2796



9.2665, 0.2985, 0.3145



5.5532, 0.1676, 0.1233

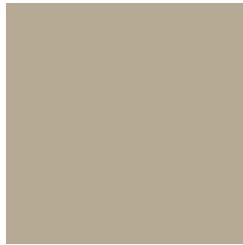


0.3168, 0.1825, 0.1771



# Previews

## White Background



This preview shows how the Yxy color 40.9867, 0.3432, 0.3577 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 40.9867, 0.3432, 0.3577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

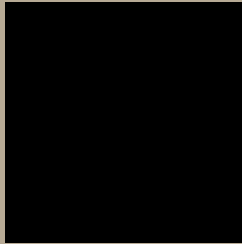
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

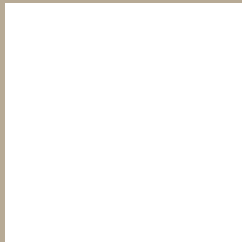
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 40.9867, 0.3432, 0.3577**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.9867, 0.3432, 0.3577.



This preview shows how white text looks on a background with the Yxy color 40.9867, 0.3432, 0.3577.

# 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

40.9867, 0.3432, 0.3577

### Protanopia

41.0311, 0.3392, 0.3579

### Deuteranopia

40.8480, 0.3563, 0.3488



## Tritanopia

41.0919, 0.3209, 0.3120

# Trichromacy



## Original Color

40.9867, 0.3432, 0.3577

## Protanomaly

41.1516, 0.3402, 0.3578

## Deuteranomaly

40.9158, 0.3508, 0.3517

## Tritanomaly

40.9037, 0.3296, 0.3277

# Monochromacy



## Original Color

40.9867, 0.3432, 0.3577

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

40.8841, 0.3232, 0.3400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.9867, 0.3432, 0.3577 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(183, 170, 149)` looks like.

```
.text, #text, p{  
    color:rgb(183, 170, 149)  
}
```

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(183, 170, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 170, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 40.9867, 0.3432, 0.3577 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(183, 170, 149) }
```

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

```
.border{ border-color:rgb(183, 170, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 170, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 170, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 170, 149);  
box-shadow:4px 4px 4px 4px rgb(183, 170,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.9867, 0.3432, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 170, 149) }
```

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

```
.background{ background-color: rgb(183,  
170, 149) }
```

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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