

# Converting Colors

$Y_{xy}(42.4258, 0.3374, 0.3527)$

Have a look what the booklet for  
Yxy(42.4258, 0.3374, 0.3527)  
contains.

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# Color

**Yxy(42.4440, 0.3382, 0.3533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8AD9B
RGB	184, 173, 155
RGB Percent	72%, 68%, 61%
CMY	0.2784, 0.3216, 0.3921
CMYK	0.00, 0.06, 0.16, 0.28
HSL	37°, 17%, 66%
HSV	37°, 16%, 72%
XYZ	40.6299, 42.4440, 37.0619
YIQ	174.2370, 12.3340, -3.2660

# Conversions

## Conversions Part 2

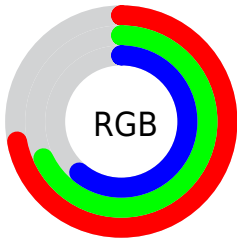
Format	Color
<a href="#">RYB</a>	<a href="#">173, 184, 155</a>
Decimal	<a href="#">12103067</a>
CIELab	<a href="#">71.18, 0.89, 10.66</a>
CIELCh	<a href="#">71, 10.698, 85.213</a>
Yxy	<a href="#">42.4440, 0.3382, 0.3533</a>
Android (android.graphics.Color)	<a href="#">4290293147</a> ( <a href="#">0xFFB8AD9B</a> )
YUV	<a href="#">174.2370, -9.4838, 8.5622</a>
Hunter-Lab	<a href="#">65.1491, -2.6900, 11.8755</a>

# Details

The Yxy color **42.4440, 0.3382, 0.3533** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.7096, 0.2882, 0.3035**, and the grayscale version is **42.5024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6155, 0.3337, 0.3489**, and **19.4995, 0.3458, 0.3606** is the 20% darker color. If you saturate the color by 10%, you get **39.2639, 0.3566, 0.3695**, and if you desaturate by 10%, it is **45.8623, 0.3215, 0.3377**.

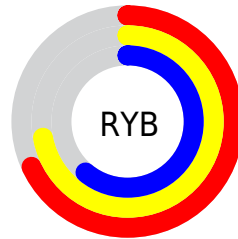
# Distribution



Red (72%)

Green (68%)

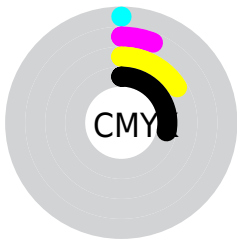
Blue (61%)



Red (68%)

Yellow (72%)

Blue (61%)

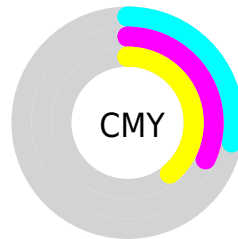


Cyan (0%)

Magenta (6%)

Yellow (16%)

Black (28%)



Cyan (28%)

Magenta (32%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4440, 0.3382, 0.3533 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 42.4440, 0.3382, 0.3533 by changing the saturation by 10% instead.




 42.4440, 0.3382,  
0.3533

 42.4440, 0.3382,  
0.3533


356.3202, 0.3252,  
0.3410

 29.4491, 0.3415,  
0.3564

 78.8712, 0.3334,  
0.3488

 19.4208, 0.3458,  
0.3605


 103.0722, 0.3317,  
0.3471

 11.9748, 0.3515,  
0.3659

131.7775, 0.3302,  
0.3457

 6.7265, 0.3597,  
0.3735

165.3713, 0.3289,  
0.3445

 3.2916, 0.3721,  
0.3850

204.2381, 0.3278,  
0.3434

 1.2858, 0.3984,  
0.4098

248.7622, 0.3268,

 0.1302, 0.5278,

0.3425

0.4722

299.3281, 0.3260,  
0.3417

0.0000, 0.0000,  
0.0000

42.4440, 0.3382,  
0.3533

42.4440, 0.3382,  
0.3533

39.2639, 0.3566,  
0.3695

45.8623, 0.3215,  
0.3377

36.3099, 0.3768,  
0.3858

49.5191, 0.3066,  
0.3228

33.5772, 0.3983,  
0.4016

53.4222, 0.2933,  
0.3090

31.0585, 0.4206,  
0.4160

57.5770, 0.2816,  
0.2962

28.7462, 0.4430,  
0.4278

61.9889, 0.2712,  
0.2844

■ 26.6316, 0.4643,  
0.4360

■ 65.9741, 0.2675,  
0.2842

■ 24.7052, 0.4835,  
0.4395

■ 69.6073, 0.2683,  
0.2922

■ 22.9556, 0.4996,  
0.4379

■ 73.3944, 0.2692,  
0.3002

■ 22.2593, 0.5060,  
0.4365

■ 77.3370, 0.2700,  
0.3080

# Harmonies

## Analogous

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



42.4440, 0.3432, 0.3441



42.4440, 0.3382, 0.3533



42.4440, 0.3263, 0.3561

# Triad

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



42.4440, 0.3382, 0.3533



42.4440, 0.2863, 0.3258



42.4440, 0.3139, 0.3081

# Complementary

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



42.4440, 0.3382, 0.3533



37.7096, 0.2882, 0.3035

# 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.



42.4440, 0.2988, 0.3032



42.4440, 0.3382, 0.3533



42.4440, 0.2831, 0.3129

# Square

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



42.4440, 0.3382, 0.3533



42.4440, 0.2964, 0.3400



42.4440, 0.2876, 0.3048



42.4440, 0.3290, 0.3183



# Rectangle

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



42.4440, 0.3382, 0.3533



42.4440, 0.3162, 0.3537



42.4440, 0.2876, 0.3048



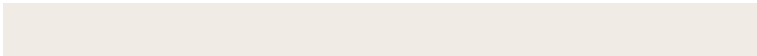
42.4440, 0.3086, 0.3058

# Sweetspot

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



42.4459, 0.3382, 0.3533



83.5605, 0.3205, 0.3366



36.3936, 0.3312, 0.3140



17.9174, 0.3216, 0.3377



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.



42.4459, 0.3382, 0.3533



74.8338, 0.3445, 0.3590



46.4336, 0.3330, 0.3679



9.9149, 0.3273, 0.3432



15.4778, 0.5046, 0.4375



0.6610, 0.4773, 0.4592



# Inverse Universe

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



37.7096, 0.2882, 0.3035



64.5761, 0.2823, 0.2971



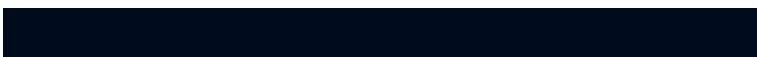
34.2133, 0.2906, 0.2877



9.2635, 0.2985, 0.3144



5.5196, 0.1674, 0.1227

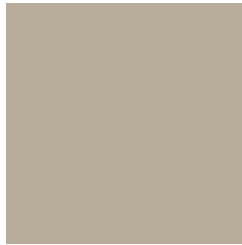


0.3155, 0.1824, 0.1766



# Previews

## White Background



This preview shows how the Yxy color 42.4440, 0.3382, 0.3533 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 42.4440, 0.3382, 0.3533 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

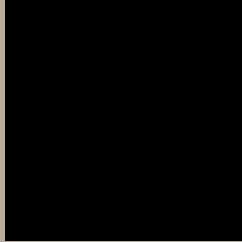
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

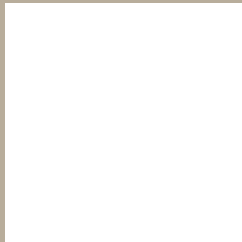
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.4440, 0.3382, 0.3533**

## Background



This preview shows how black text looks on a background with the Yxy color 42.4440, 0.3382, 0.3533.



This preview shows how white text looks on a background with the Yxy color 42.4440, 0.3382, 0.3533.

# 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

42.4440, 0.3382, 0.3533

### Protanopia

42.5837, 0.3361, 0.3548

### Deuteranopia

42.4113, 0.3518, 0.3446



## Tritanopia

42.4447, 0.3190, 0.3121

# Trichromacy



## Original Color

42.4440, 0.3382, 0.3533

## Protanomaly

42.7059, 0.3370, 0.3547

## Deuteranomaly

42.4872, 0.3465, 0.3475

## Tritanomaly

42.2928, 0.3266, 0.3264

# Monochromacy



## Original Color

42.4440, 0.3382, 0.3533

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

42.5271, 0.3221, 0.3385

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.4440, 0.3382, 0.3533 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(184, 173, 155)` looks like.

```
.text, #text, p{  
    color:rgb(184, 173, 155)  
}
```

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(184, 173, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 173, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 42.4440, 0.3382, 0.3533 is called "border". The border property can be set on classes, ids or directly on the HTML element.

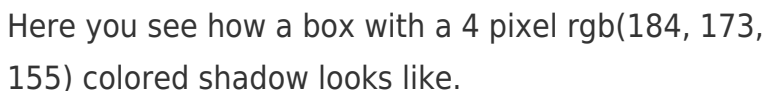
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 173, 155) }
```

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

```
.border{ border-color:rgb(184, 173, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(184, 173, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 173, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 173, 155);  
box-shadow:4px 4px 4px 4px rgb(184, 173,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.4440, 0.3382, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 173, 155) }
```

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

```
.background{ background-color: rgb(184,  
173, 155) }
```

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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