

# Converting Colors

$Yxy(44.9714, 0.3237, 0.3383)$

Have a look what the booklet for  
Yxy(44.9714, 0.3237, 0.3383)  
contains.

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# Color

**Yxy(44.9714, 0.3237, 0.3383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8B2AB
RGB	184, 178, 171
RGB Percent	72%, 70%, 67%
CMY	0.2786, 0.3019, 0.3295
CMYK	0.00, 0.03, 0.07, 0.28
HSL	33°, 8%, 70%
HSV	33°, 7%, 72%
XYZ	43.0306, 44.9714, 44.9315
YIQ	178.9960, 5.8230, -0.9050

# Conversions

## Conversions Part 2

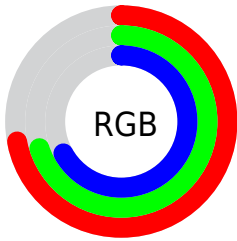
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">182, 184, 171</a>
Decimal	<a href="#">12104363</a>
CIELab	<a href="#">72.87, 0.85, 4.33</a>
CIElCh	<a href="#">73, 4.413, 78.839</a>
Yxy	<a href="#">44.9714, 0.3237, 0.3383</a>
Android (android.graphics.Color)	<a href="#">4290294443</a> ( <a href="#">0xFFB8B2AB</a> )
YUV	<a href="#">178.9960, -3.9420, 4.3885</a>
Hunter-Lab	<a href="#">67.0607, -2.8189, 7.2175</a>

# Details

The Yxy color **44.9714, 0.3237, 0.3383** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.5326, 0.3020, 0.3195**, and the grayscale version is **45.0943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8619, 0.3218, 0.3372**, and **20.8244, 0.3268, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **41.0676, 0.3410, 0.3521**, and if you desaturate by 10%, it is **49.1829, 0.3084, 0.3252**.

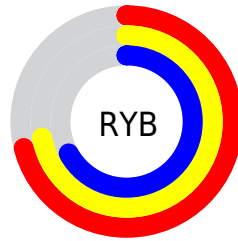
# Distribution



Red (72%)

Green (70%)

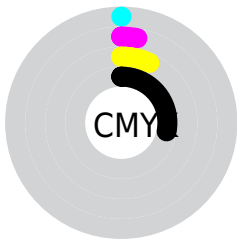
Blue (67%)



Red (71%)

Yellow (72%)

Blue (67%)

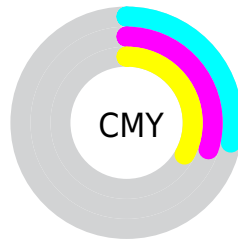


Cyan (0%)

Magenta (3%)

Yellow (7%)

Black (28%)



Cyan (28%)

Magenta (30%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9714, 0.3237, 0.3383 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 44.9714, 0.3237, 0.3383 by changing the saturation by 10% instead.



■ 44.9714, 0.3237,  
0.3383

■ 44.9714, 0.3237,  
0.3383

366.6577, 0.3182,  
0.3336

■ 31.4349, 0.3251,  
0.3395

■ 82.6775, 0.3217,  
0.3366

■ 20.9302, 0.3269,  
0.3410

107.6159, 0.3209,  
0.3360

■ 13.0730, 0.3293,  
0.3430

137.1237, 0.3203,  
0.3354

■ 7.4788, 0.3327,  
0.3458

171.5853, 0.3197,  
0.3350

■ 3.7633, 0.3379,  
0.3501

211.3851, 0.3193,  
0.3346

■ 1.5421, 0.3466,  
0.3573

256.9075, 0.3189,

■ 0.3181, 0.4719,

0.3342

0.4644

308.5369, 0.3185,  
0.3339

0.0000, 0.0000,  
0.0000

44.9714, 0.3237,  
0.3383

44.9714, 0.3237,  
0.3383

41.0676, 0.3410,  
0.3521

49.1829, 0.3084,  
0.3252

37.4579, 0.3605,  
0.3665

53.7036, 0.2950,  
0.3131

34.1363, 0.3821,  
0.3809

58.5425, 0.2832,  
0.3018

31.0943, 0.4056,  
0.3947

63.7064, 0.2729,  
0.2915

28.3227, 0.4306,  
0.4071

68.6781, 0.2681,  
0.2902

■ 25.8120, 0.4562,  
0.4170

■ 73.2193, 0.2691,  
0.2998

■ 23.5515, 0.4810,  
0.4230

■ 77.9868, 0.2701,  
0.3093

■ 21.5295, 0.5036,  
0.4242

■ 82.9838, 0.2710,  
0.3186

■ 19.7311, 0.5229,  
0.4202

■ 88.2133, 0.2720,  
0.3277

# Harmonies

## Analogous

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



44.9714, 0.3250, 0.3342



44.9714, 0.3237, 0.3383



44.9714, 0.3195, 0.3399

# Triad

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



44.9714, 0.3237, 0.3383



44.9714, 0.3026, 0.3290



44.9714, 0.3119, 0.3198

# Complementary

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



44.9714, 0.3237, 0.3383



43.5326, 0.3020, 0.3195

# 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.



44.9714, 0.3059, 0.3183



44.9714, 0.3237, 0.3383



44.9714, 0.3006, 0.3236

# Square

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



44.9714, 0.3237, 0.3383



44.9714, 0.3073, 0.3345



44.9714, 0.3018, 0.3197



44.9714, 0.3181, 0.3236



# Rectangle

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



44.9714, 0.3237, 0.3383



44.9714, 0.3156, 0.3393



44.9714, 0.3018, 0.3197



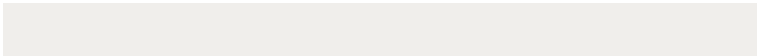
44.9714, 0.3098, 0.3190

# Sweetspot

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



44.9734, 0.3237, 0.3383



85.3258, 0.3158, 0.3316



42.4816, 0.3193, 0.3210



18.4120, 0.3156, 0.3315



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

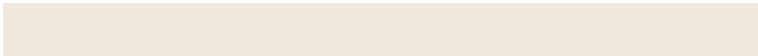


# Same Dimension

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



44.9734, 0.3237, 0.3383



80.7715, 0.3255, 0.3398



47.3390, 0.3226, 0.3460



9.7966, 0.3275, 0.3414



13.4070, 0.5267, 0.4200



0.5948, 0.4920, 0.4476



# Inverse Universe

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



43.5326, 0.3020, 0.3195



77.7815, 0.3004, 0.3180



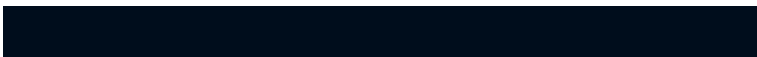
41.2835, 0.3025, 0.3114



9.3793, 0.2985, 0.3163



6.9262, 0.1740, 0.1464



0.3682, 0.1879, 0.1964



# Previews

## White Background



This preview shows how the Yxy color 44.9714, 0.3237, 0.3383 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 44.9714, 0.3237, 0.3383 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

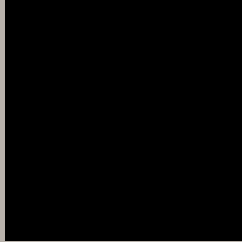
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

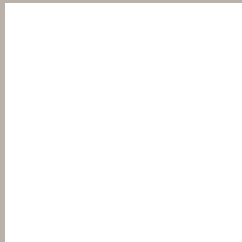
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.9714, 0.3237, 0.3383**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9714, 0.3237, 0.3383.

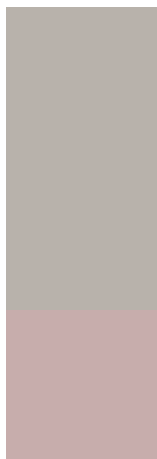


This preview shows how white text looks on a background with the Yxy color 44.9714, 0.3237, 0.3383.

# 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

44.9714, 0.3237, 0.3383

### Protanopia

44.9714, 0.3237, 0.3383

### Deuteranopia

45.0078, 0.3372, 0.3303



## Tritanopia

44.8989, 0.3118, 0.3111

# Trichromacy



## Original Color

44.9714, 0.3237, 0.3383

## Protanomaly

44.9714, 0.3237, 0.3383

## Deuteranomaly

45.1078, 0.3323, 0.3329

## Tritanomaly

44.8672, 0.3166, 0.3212

# Monochromacy



## Original Color

44.9714, 0.3237, 0.3383

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.1985, 0.3169, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9714, 0.3237, 0.3383 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, 178, 171)` looks like.

```
.text, #text, p{  
    color:rgb(184, 178, 171)  
}
```

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, 178, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 178, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9714, 0.3237, 0.3383 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, 178, 171) }
```

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

```
.border{ border-color:rgb(184, 178, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 178, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 178, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 178, 171);  
box-shadow:4px 4px 4px 4px rgb(184, 178,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9714, 0.3237, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 178, 171) }
```

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

```
.background{ background-color: rgb(184,  
178, 171) }
```

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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