

# Converting Colors

$Y_{xy}(45.4428, 0.3205, 0.3360)$

Have a look what the booklet for  
Yxy(45.4428, 0.3205, 0.3360)  
contains.

<b>Yxy(45.3635, 0.3203, 0.3356)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(45.3635, 0.3203, 0.3356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7B3AE
RGB	183, 179, 174
RGB Percent	72%, 70%, 68%
CMY	0.2822, 0.2981, 0.3177
CMYK	0.00, 0.02, 0.05, 0.28
HSL	33°, 6%, 70%
HSV	33°, 5%, 72%
XYZ	43.2954, 45.3635, 46.5125
YIQ	179.6260, 3.9890, -0.7070

# Conversions

## Conversions Part 2

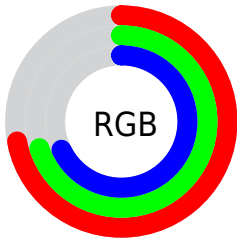
Format	Color
R <sub>YB</sub>	181, 183, 174
Decimal	12039086
CIE Lab	73.13, 0.53, 3.05
CIE LCh	73, 3.093, 80.132
Yxy	45.3635, 0.3203, 0.3356
Android (android.graphics.Color)	4290229166 (0xFFB7B3AE)
YUV	179.6260, -2.7736, 2.9590
Hunter-Lab	67.3524, -3.1237, 6.2020

# Details

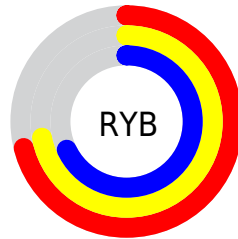
The Yxy color **45.3635, 0.3203, 0.3356** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.2758, 0.3053, 0.3223**, and the grayscale version is **45.4481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4245, 0.3192, 0.3352**, and **21.0727, 0.3220, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **41.5128, 0.3371, 0.3495**, and if you desaturate by 10%, it is **49.5105, 0.3054, 0.3225**.

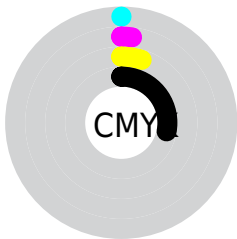
# Distribution



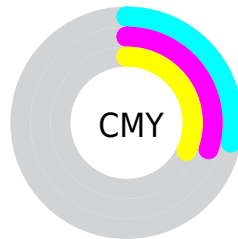
- Red (72%)
- Green (70%)
- Blue (68%)



- Red (71%)
- Yellow (72%)
- Blue (68%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (28%)



- Cyan (28%)
- Magenta (30%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3635, 0.3203, 0.3356 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 45.3635, 0.3203, 0.3356 by changing the saturation by 10% instead.



■ 45.3635, 0.3203,  
0.3356

■ 45.3635, 0.3203,  
0.3356

368.2438, 0.3165,  
0.3323

■ 31.7438, 0.3213,  
0.3364

■ 83.2656, 0.3189,  
0.3344

■ 21.1659, 0.3225,  
0.3375

108.3169, 0.3184,  
0.3339

■ 13.2453, 0.3242,  
0.3389

137.9474, 0.3180,  
0.3336

■ 7.5977, 0.3265,  
0.3409

172.5417, 0.3176,  
0.3332

■ 3.8386, 0.3300,  
0.3440

212.4841, 0.3172,  
0.3330

■ 1.5837, 0.3360,  
0.3490

258.1589, 0.3170,

■ 0.3466, 0.4012,

0.3327

0.4062

309.9507, 0.3167,  
0.3325

0.0000, 0.0000,  
0.0000

45.3635, 0.3203,  
0.3356

45.3635, 0.3203,  
0.3356

41.5128, 0.3371,  
0.3495

49.5105, 0.3054,  
0.3225

37.9453, 0.3560,  
0.3640

53.9550, 0.2924,  
0.3103

34.6553, 0.3770,  
0.3787

58.7054, 0.2809,  
0.2990

31.6348, 0.3999,  
0.3930

63.7684, 0.2709,  
0.2886

28.8752, 0.4243,  
0.4061

68.4544, 0.2675,  
0.2899

■ 26.3675, 0.4494,  
0.4168

■ 72.8593, 0.2685,  
0.2993

■ 24.1016, 0.4740,  
0.4240

■ 77.4779, 0.2695,  
0.3085

■ 22.0667, 0.4967,  
0.4265

■ 82.3130, 0.2704,  
0.3175

■ 20.2500, 0.5162,  
0.4237

■ 87.3674, 0.2714,  
0.3264

# Harmonies

## Analogous

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



45.3635, 0.3213, 0.3328



45.3635, 0.3203, 0.3356



45.3635, 0.3173, 0.3366

# Triad

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



45.3635, 0.3203, 0.3356



45.3635, 0.3055, 0.3289



45.3635, 0.3124, 0.3226

# Complementary

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



45.3635, 0.3203, 0.3356



44.2758, 0.3053, 0.3223

# 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.



45.3635, 0.3082, 0.3215



45.3635, 0.3203, 0.3356



45.3635, 0.3042, 0.3251

# Square

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



45.3635, 0.3203, 0.3356



45.3635, 0.3088, 0.3327



45.3635, 0.3052, 0.3224



45.3635, 0.3167, 0.3254



# Rectangle

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



45.3635, 0.3203, 0.3356



45.3635, 0.3145, 0.3361



45.3635, 0.3052, 0.3224



45.3635, 0.3109, 0.3220

# Sweetspot

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



45.3655, 0.3203, 0.3356



84.0577, 0.3142, 0.3303



43.5578, 0.3174, 0.3237



18.5743, 0.3142, 0.3303



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.



45.3655, 0.3203, 0.3356



80.3836, 0.3221, 0.3372



46.9585, 0.3195, 0.3409



10.0590, 0.3228, 0.3378



13.6682, 0.5237, 0.4224



0.6034, 0.4899, 0.4492

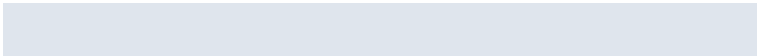


# Inverse Universe

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



44.2758, 0.3053, 0.3223



77.9974, 0.3035, 0.3207



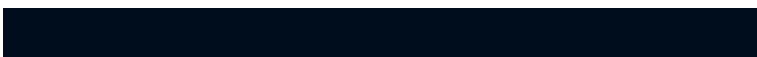
42.7383, 0.3058, 0.3169



9.7386, 0.3028, 0.3201



6.7175, 0.1731, 0.1430



0.3606, 0.1871, 0.1937



# Previews

## White Background



This preview shows how the Yxy color 45.3635, 0.3203, 0.3356 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

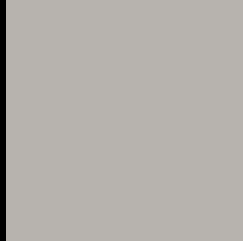
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.3635, 0.3203, 0.3356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

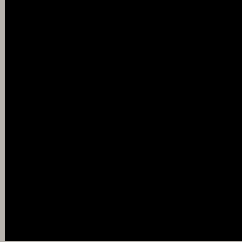
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

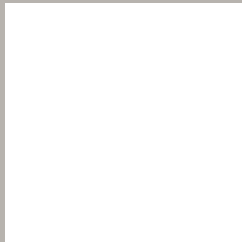
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.3635, 0.3203, 0.3356**

## Background



This preview shows how black text looks on a background with the Yxy color 45.3635, 0.3203, 0.3356.



This preview shows how white text looks on a background with the Yxy color 45.3635, 0.3203, 0.3356.

# 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

45.3635, 0.3203, 0.3356

### Protanopia

45.4865, 0.3211, 0.3356

### Deuteranopia

45.3730, 0.3335, 0.3278



## Tritanopia

45.0827, 0.3092, 0.3110

# Trichromacy



## Original Color

45.3635, 0.3203, 0.3356

## Protanomaly

45.4865, 0.3211, 0.3356

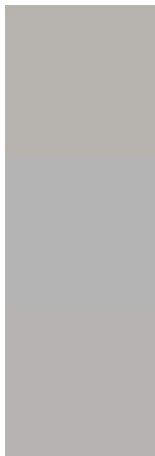
## Deuteranomaly

45.4833, 0.3287, 0.3303

## Tritanomaly

45.0953, 0.3131, 0.3199

# Monochromacy



## Original Color

45.3635, 0.3203, 0.3356

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.6806, 0.3152, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.3635, 0.3203, 0.3356 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, 179, 174)` looks like.

```
.text, #text, p{  
    color:rgb(183, 179, 174)  
}
```

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, 179, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 179, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 45.3635, 0.3203, 0.3356 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, 179, 174) }
```

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

```
.border{ border-color:rgb(183, 179, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 179, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 179, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 179, 174);  
box-shadow:4px 4px 4px 4px rgb(183, 179,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.3635, 0.3203, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 179, 174) }
```

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

```
.background{ background-color: rgb(183,  
179, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor