

# Converting Colors

$Y_{xy}(45.3230, 0.3186, 0.3144)$

Have a look what the booklet for  
Yxy(45.3230, 0.3186, 0.3144)  
contains.

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# Color

**Yxy(45.4116, 0.3187, 0.3150)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0AFBA
RGB	192, 175, 186
RGB Percent	75%, 69%, 73%
CMY	0.2468, 0.3138, 0.2705
CMYK	0.00, 0.09, 0.03, 0.25
HSL	321°, 12%, 72%
HSV	321°, 9%, 75%
XYZ	45.9450, 45.4116, 52.8072
YIQ	181.3370, 6.6010, 7.0250

# Conversions

## Conversions Part 2

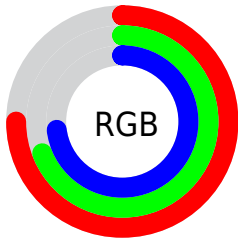
Format	Color
<b>RYB</b>	192, 175, 186
Decimal	12627898
CIELab	73.16, 8.09, -3.41
CIELCh	73, 8.776, 337.151
Yxy	45.4116, 0.3187, 0.3150
Android (android.graphics.Color)	4290817978 (0xFFC0AFBA)
YUV	181.3370, 2.2989, 9.3515
Hunter-Lab	67.3881, 3.7715, 0.7104

# Details

The Yxy color  $45.4116, 0.3187, 0.3150$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $50.1781, 0.3072, 0.3434$ , and the grayscale version is  $46.3903, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.5191, 0.3173, 0.3181$ , and  $21.2626, 0.3196, 0.3117$  is the 20% darker color. If you saturate the color by 10%, you get  $38.1798, 0.3266, 0.2986$ , and if you desaturate by 10%, it is  $53.7244, 0.3120, 0.3307$ .

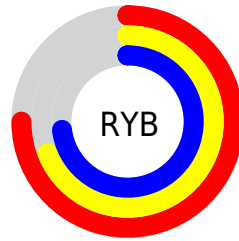
# Distribution



Red (75%)

Green (69%)

Blue (73%)



Red (75%)

Yellow (69%)

Blue (73%)

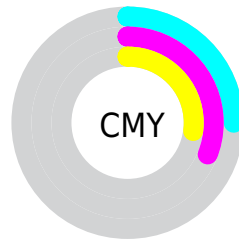


Cyan (0%)

Magenta (9%)

Yellow (3%)

Black (25%)



Cyan (25%)

Magenta (31%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4116, 0.3187, 0.3150 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 45.4116, 0.3187, 0.3150 by changing the saturation by 10% instead.





 45.4116, 0.3187,  
0.3150

 45.4116, 0.3187,  
0.3150

368.4380, 0.3157,  
0.3220

 31.7818, 0.3194,  
0.3133


 83.3377, 0.3176,  
0.3175

 21.1949, 0.3204,  
0.3111


108.4028, 0.3172,  
0.3185

 13.2665, 0.3216,  
0.3081


138.0484, 0.3169,  
0.3193

 7.6123, 0.3234,  
0.3040

172.6589, 0.3166,  
0.3200

 3.8479, 0.3259,  
0.2980

212.6187, 0.3163,  
0.3206

 1.5888, 0.3301,  
0.2881

258.3122, 0.3161,

 0.3501, 0.3535,

0.3211

0.2334

310.1239, 0.3159,  
0.3216

0.0000, 0.0000,  
0.0000

45.4116, 0.3187,  
0.3150

45.4116, 0.3187,  
0.3150

38.1798, 0.3266,  
0.2986

53.7244, 0.3120,  
0.3307

31.9783, 0.3359,  
0.2817

63.1546, 0.3065,  
0.3454

26.7611, 0.3467,  
0.2650

73.7440, 0.3018,  
0.3591

22.4762, 0.3590,  
0.2492

85.5306, 0.2979,  
0.3718

19.0670, 0.3727,  
0.2352

87.9037, 0.2943,  
0.3673

■ 16.4708, 0.3875,  
0.2241

■ 88.2715, 0.2907,  
0.3596

■ 14.6160, 0.4031,  
0.2170

■ 88.6541, 0.2872,  
0.3520

■ 13.4190, 0.4188,  
0.2147

■ 89.0517, 0.2836,  
0.3446

■ 12.7372, 0.4342,  
0.2171

■ 89.4645, 0.2802,  
0.3372

# Harmonies

## Analogous

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



45.4116, 0.3062, 0.3092



45.4116, 0.3187, 0.3150



45.4116, 0.3298, 0.3244

# Triad

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



45.4116, 0.3187, 0.3150



45.4116, 0.3299, 0.3501



45.4116, 0.2897, 0.3221

# Complementary

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



45.4116, 0.3187, 0.3150



50.1781, 0.3072, 0.3434

# 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.



45.4116, 0.2958, 0.3334



45.4116, 0.3187, 0.3150



45.4116, 0.3189, 0.3498

# Square

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



45.4116, 0.3187, 0.3150



45.4116, 0.3363, 0.3446



45.4116, 0.3065, 0.3437



45.4116, 0.2896, 0.3130



# Rectangle

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



45.4116, 0.3187, 0.3150



45.4116, 0.3348, 0.3316



45.4116, 0.3065, 0.3437



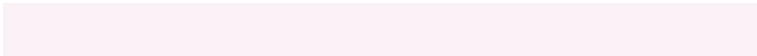
45.4116, 0.2911, 0.3257

# Sweetspot

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



45.4136, 0.3187, 0.3150



90.7805, 0.3147, 0.3243



44.2802, 0.3042, 0.3068



19.2122, 0.3152, 0.3230



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



45.4136, 0.3187, 0.3150



79.0679, 0.3204, 0.3113



45.0637, 0.3258, 0.3258



10.1850, 0.3190, 0.3142



8.5355, 0.4340, 0.2165



0.3815, 0.4026, 0.1992



# Inverse Universe

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



45.4136, 0.3187, 0.3150



79.0679, 0.3204, 0.3113



50.5367, 0.3010, 0.3323



10.1850, 0.3190, 0.3142



8.5355, 0.4340, 0.2165

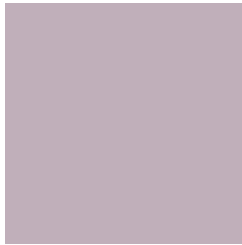


0.3815, 0.4026, 0.1992



# Previews

## White Background



This preview shows how the Yxy color 45.4116, 0.3187, 0.3150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

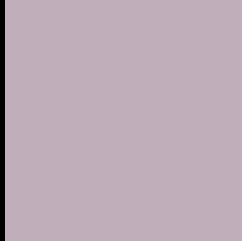
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.4116, 0.3187, 0.3150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

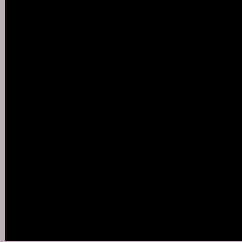
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.4116, 0.3187, 0.3150**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.4116, 0.3187, 0.3150.



This preview shows how white text looks on a background with the Yxy color 45.4116, 0.3187, 0.3150.

# 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

45.4116, 0.3187, 0.3150

### Protanopia

45.5743, 0.3064, 0.3173

### Deuteranopia

45.2866, 0.3205, 0.3139



## Tritanopia

45.4973, 0.3170, 0.3125

# Trichromacy



## Original Color

45.4116, 0.3187, 0.3150

## Protanomaly

45.6190, 0.3107, 0.3174

## Deuteranomaly

45.1547, 0.3196, 0.3138

## Tritanomaly

45.4543, 0.3178, 0.3138

# Monochromacy



## Original Color

45.4116, 0.3187, 0.3150

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

45.9734, 0.3147, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.4116, 0.3187, 0.3150 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(192, 175, 186)` looks like.

```
.text, #text, p{  
    color:rgb(192, 175, 186)  
}
```

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(192, 175, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 175, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 45.4116, 0.3187, 0.3150 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(192, 175, 186) }
```

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

```
.border{ border-color:rgb(192, 175, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 175, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 175, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 175, 186);  
box-shadow:4px 4px 4px 4px rgb(192, 175,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.4116, 0.3187, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 175, 186) }
```

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

```
.background{ background-color: rgb(192,  
175, 186) }
```

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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