

# Converting Colors

$Y_{xy}(48.3152, 0.3380, 0.3150)$

Have a look what the booklet for  
Yxy(48.3152, 0.3380, 0.3150)  
contains.

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# Color

**Yxy(48.5013, 0.3383, 0.3160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6AFBA
RGB	214, 175, 186
RGB Percent	84%, 69%, 73%
CMY	0.1607, 0.3137, 0.2707
CMYK	0.00, 0.18, 0.13, 0.16
HSL	343°, 32%, 76%
HSV	343°, 18%, 84%
XYZ	51.9240, 48.5013, 53.0598
YIQ	187.9150, 19.7130, 11.6890

# Conversions

## Conversions Part 2

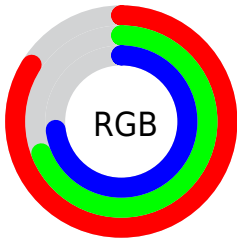
Format	Color
R <sub>Y</sub> B	214, 175, 186
Decimal	14069690
CIE Lab	75.14, 15.89, -0.25
CIE LCh	75, 15.897, 359.107
Yxy	48.5013, 0.3383, 0.3160
Android (android.graphics.Color)	4292259770 (0xFFD6AFBA)
YUV	187.9150, -0.9441, 22.8765
Hunter-Lab	69.6429, 11.2102, 3.5779

# Details

The Yxy color **48.5013, 0.3383, 0.3160** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **61.5282, 0.2923, 0.3424**, and the grayscale version is **50.2365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8226, 0.3221, 0.3183**, and **22.9835, 0.3456, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **40.2027, 0.3570, 0.3084**, and if you desaturate by 10%, it is **58.1949, 0.3231, 0.3233**.

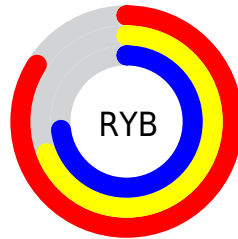
# Distribution



Red (84%)

Green (69%)

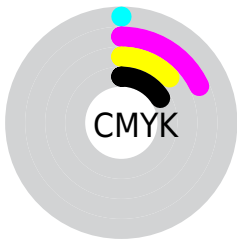
Blue (73%)



Red (84%)

Yellow (69%)

Blue (73%)

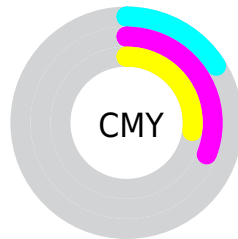


Cyan (0%)

Magenta (18%)

Yellow (13%)

Black (16%)



Cyan (16%)

Magenta (31%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5013, 0.3383, 0.3160 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 48.5013, 0.3383, 0.3160 by changing the saturation by 10% instead.





 48.5013, 0.3383,  
0.3160

 48.5013, 0.3383,  
0.3160

380.7757, 0.3256,  
0.3225

 34.2240, 0.3414,  
0.3144

 87.9503, 0.3337,  
0.3183

 23.0658, 0.3455,  
0.3124


113.8909, 0.3320,  
0.3192

 14.6421, 0.3508,  
0.3096


144.4880, 0.3305,  
0.3200

 8.5686, 0.3583,  
0.3059

180.1261, 0.3292,  
0.3206

 4.4609, 0.3693,  
0.3003

221.1895, 0.3281,  
0.3212

 1.9346, 0.3873,  
0.2912

268.0626, 0.3272,

 0.5690, 0.4359,

0.3216

0.2662

321.1299, 0.3263,  
0.3221

0.0000, 0.0000,  
0.0000

48.5013, 0.3383,  
0.3160

48.5013, 0.3383,  
0.3160

40.2027, 0.3570,  
0.3084

58.1949, 0.3231,  
0.3233

33.2284, 0.3797,  
0.3008

69.3371, 0.3107,  
0.3302

27.5112, 0.4070,  
0.2937

81.9866, 0.3006,  
0.3365

22.9753, 0.4388,  
0.2880

92.5653, 0.2923,  
0.3366

19.5368, 0.4745,  
0.2847

93.0380, 0.2883,  
0.3289

■ 17.1007, 0.5121,  
0.2849

■ 15.5554, 0.5485,  
0.2895

■ 14.7378, 0.5801,  
0.2982

■ 14.6257, 0.5852,  
0.2998

# Harmonies

## Analogous

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



48.5013, 0.3171, 0.3012



48.5013, 0.3383, 0.3160



48.5013, 0.3527, 0.3344

# Triad

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



48.5013, 0.3383, 0.3160



48.5013, 0.3292, 0.3676



48.5013, 0.2712, 0.3039

# Complementary

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



48.5013, 0.3383, 0.3160



61.5282, 0.2923, 0.3424

# 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.



48.5013, 0.2743, 0.3215



48.5013, 0.3383, 0.3160



48.5013, 0.3072, 0.3594

# Square

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



48.5013, 0.3383, 0.3160



48.5013, 0.3472, 0.3646



48.5013, 0.2872, 0.3421



48.5013, 0.2788, 0.2939



# Rectangle

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



48.5013, 0.3383, 0.3160



48.5013, 0.3563, 0.3465



48.5013, 0.2872, 0.3421



48.5013, 0.2711, 0.3091

# Sweetspot

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



48.5035, 0.3383, 0.3160



91.5567, 0.3189, 0.3256



48.2083, 0.3055, 0.2828



19.3525, 0.3198, 0.3251



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



48.5035, 0.3383, 0.3160



66.9499, 0.3453, 0.3130



51.4489, 0.3461, 0.3392



12.4776, 0.3247, 0.3225



8.8546, 0.5815, 0.2977



0.5482, 0.5315, 0.2701



# Inverse Universe

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



48.5035, 0.3383, 0.3160



66.9499, 0.3453, 0.3130



57.9016, 0.2849, 0.3186



12.4776, 0.3247, 0.3225



8.8546, 0.5815, 0.2977



0.5482, 0.5315, 0.2701



# Previews

## White Background



This preview shows how the Yxy color 48.5013, 0.3383, 0.3160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

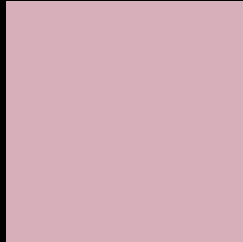
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.5013, 0.3383, 0.3160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

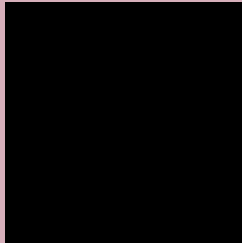
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.5013, 0.3383, 0.3160**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.5013, 0.3383, 0.3160.



This preview shows how white text looks on a background with the Yxy color 48.5013, 0.3383, 0.3160.

# 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

48.5013, 0.3383, 0.3160

### Protanopia

48.6074, 0.3098, 0.3201

### Deuteranopia

48.4395, 0.3288, 0.3217



## Tritanopia

48.5869, 0.3365, 0.3136

# Trichromacy



## Original Color

48.5013, 0.3383, 0.3160

## Protanomaly

48.5922, 0.3200, 0.3191

## Deuteranomaly

48.6090, 0.3324, 0.3205

## Tritanomaly

48.5439, 0.3374, 0.3148

# Monochromacy



## Original Color

48.5013, 0.3383, 0.3160

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

49.3251, 0.3215, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5013, 0.3383, 0.3160 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(214, 175, 186)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 175, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 175, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5013, 0.3383, 0.3160 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(214, 175, 186) }
```

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

```
.border{ border-color:rgb(214, 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(214, 175, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 175, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 175, 186);  
box-shadow:4px 4px 4px 4px rgb(214, 175,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5013, 0.3383, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 175, 186) }
```

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

```
.background{ background-color: rgb(214,  
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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