

# Converting Colors

$Yxy(46.7472, 0.3460, 0.3161)$

Have a look what the booklet for  
Yxy(46.7472, 0.3460, 0.3161)  
contains.

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# Color

**Yxy(46.8374, 0.3463, 0.3160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9AAB5
RGB	217, 170, 181
RGB Percent	85%, 67%, 71%
CMY	0.1491, 0.3333, 0.2902
CMYK	0.00, 0.22, 0.17, 0.15
HSL	346°, 38%, 76%
HSV	346°, 22%, 85%
XYZ	51.3285, 46.8374, 50.0538
YIQ	185.3070, 24.4810, 13.3850

# Conversions

## Conversions Part 2

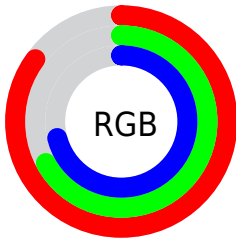
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 170, 181
Decimal	14265013
CIE Lab	74.09, 18.87, 0.96
CIE LCh	74, 18.895, 2.926
Yxy	46.8374, 0.3463, 0.3160
Android (android.graphics.Color)	4292455093 (0xFFD9AAB5)
YUV	185.3070, -2.1234, 27.7948
Hunter-Lab	68.4379, 14.1089, 4.5432

# Details

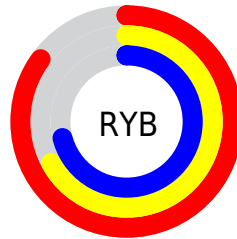
The Yxy color **46.8374, 0.3463, 0.3160** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **62.6234, 0.2873, 0.3425**, and the grayscale version is **48.6983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2249, 0.3259, 0.3172**, and **22.1968, 0.3568, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **38.7217, 0.3677, 0.3096**, and if you desaturate by 10%, it is **56.3814, 0.3289, 0.3222**.

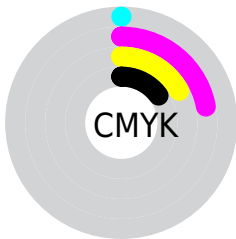
# Distribution



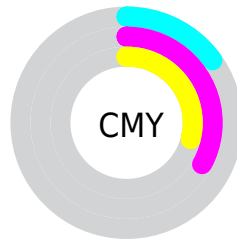
- Red (85%)
- Green (67%)
- Blue (71%)



- Red (85%)
- Yellow (67%)
- Blue (71%)



- Cyan (0%)
- Magenta (22%)
- Yellow (17%)
- Black (15%)




- Cyan (15%)
- Magenta (33%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8374, 0.3463, 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 46.8374, 0.3463, 0.3160 by changing the saturation by 10% instead.





 46.8374, 0.3463,  
0.3160

 46.8374, 0.3463,  
0.3160

374.1651, 0.3295,  
0.3226

 32.9071, 0.3505,  
0.3143


 85.4709, 0.3402,  
0.3184

 22.0553, 0.3559,  
0.3122


110.9428, 0.3379,  
0.3193

 13.8975, 0.3631,  
0.3094

141.0309, 0.3360,  
0.3200

 8.0494, 0.3732,  
0.3054

176.1193, 0.3343,  
0.3207

 4.1266, 0.3882,  
0.2993

216.5925, 0.3329,  
0.3213

 1.7446, 0.4132,  
0.2892

262.8350, 0.3316,

 0.4523, 0.5040,

0.3217

0.2557

315.2311, 0.3305,  
0.3222

0.0000, 0.0000,  
0.0000

46.8374, 0.3463,  
0.3160

46.8374, 0.3463,  
0.3160

38.7217, 0.3677,  
0.3096

56.3814, 0.3289,  
0.3222

31.9594, 0.3938,  
0.3034

67.4114, 0.3148,  
0.3281

26.4781, 0.4248,  
0.2979

79.9896, 0.3033,  
0.3335

22.1963, 0.4607,  
0.2939

93.0156, 0.2940,  
0.3366

19.0229, 0.5000,  
0.2926

93.4901, 0.2900,  
0.3289

■ 16.8537, 0.5397,  
0.2947

■ 15.5643, 0.5756,  
0.3009

■ 14.9873, 0.6003,  
0.3080

# Harmonies

## Analogous

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



46.8374, 0.3213, 0.2977



46.8374, 0.3463, 0.3160



46.8374, 0.3623, 0.3380

# Triad

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



46.8374, 0.3463, 0.3160



46.8374, 0.3291, 0.3752



46.8374, 0.2636, 0.2966

# Complementary

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



46.8374, 0.3463, 0.3160



62.6234, 0.2873, 0.3425

# 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.



46.8374, 0.2656, 0.3166



46.8374, 0.3463, 0.3160



46.8374, 0.3026, 0.3636

# Square

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



46.8374, 0.3463, 0.3160



46.8374, 0.3518, 0.3729



46.8374, 0.2796, 0.3416



46.8374, 0.2741, 0.2863



# Rectangle

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



46.8374, 0.3463, 0.3160



46.8374, 0.3652, 0.3523



46.8374, 0.2796, 0.3416



46.8374, 0.2629, 0.3024

# Sweetspot

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



46.8395, 0.3463, 0.3160



89.8918, 0.3206, 0.3255



46.7761, 0.3052, 0.2738



19.0155, 0.3215, 0.3252



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.



46.8395, 0.3463, 0.3160



61.8964, 0.3556, 0.3131



51.0082, 0.3535, 0.3431



13.1012, 0.3255, 0.3235



9.0871, 0.5968, 0.3061



0.6021, 0.5504, 0.2806



# Inverse Universe

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



46.8395, 0.3463, 0.3160



61.8964, 0.3556, 0.3131



57.3361, 0.2796, 0.3144



13.1012, 0.3255, 0.3235



9.0871, 0.5968, 0.3061

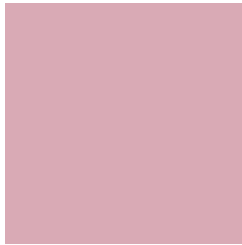


0.6021, 0.5504, 0.2806



# Previews

## White Background



This preview shows how the Yxy color 46.8374, 0.3463, 0.3160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

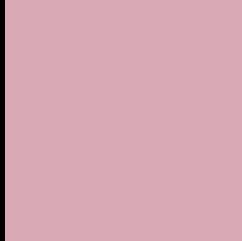
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8374, 0.3463, 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 46.8374, 0.3463, 0.3160**

## Background



This preview shows how black text looks on a background with the Yxy color 46.8374, 0.3463, 0.3160.



This preview shows how white text looks on a background with the Yxy color 46.8374, 0.3463, 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

46.8374, 0.3463, 0.3160

### Protanopia

46.8689, 0.3097, 0.3200

### Deuteranopia

46.7635, 0.3316, 0.3241



## Tritanopia

46.9201, 0.3445, 0.3136

# Trichromacy



## Original Color

46.8374, 0.3463, 0.3160

## Protanomaly

46.6828, 0.3228, 0.3190

## Deuteranomaly

46.8328, 0.3373, 0.3217

## Tritanomaly

46.8786, 0.3454, 0.3148

# Monochromacy



## Original Color

46.8374, 0.3463, 0.3160

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

47.9735, 0.3242, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8374, 0.3463, 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(217, 170, 181)` looks like.

```
.text, #text, p{  
    color:rgb(217, 170, 181)  
}
```

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(217, 170, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 170, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8374, 0.3463, 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(217, 170, 181) }
```

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

```
.border{ border-color:rgb(217, 170, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 170, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 170, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 170, 181); box-shadow:4px 4px 4px 4px rgb(217, 170, 181) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8374, 0.3463, 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(217, 170, 181) }
```

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

```
.background{ background-color: rgb(217,  
170, 181) }
```

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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