

# Converting Colors

Yxy(46.3889, 0.3413, 0.3250)

Have a look what the booklet for  
Yxy(46.3889, 0.3413, 0.3250)  
contains.

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# Color

**Yxy(46.4316, 0.3419, 0.3254)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D0ADB0
RGB	208, 173, 176
RGB Percent	82%, 68%, 69%
CMY	0.1845, 0.3215, 0.3097
CMYK	0.00, 0.17, 0.15, 0.18
HSL	355°, 27%, 75%
HSV	355°, 17%, 82%
XYZ	48.7860, 46.4316, 47.4732
YIQ	183.8070, 19.8970, 8.3530

# Conversions

## Conversions Part 2

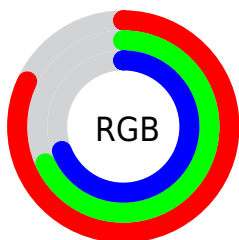
Format	Color
<a href="#">RYB</a>	<a href="#">208, 173, 176</a>
Decimal	<a href="#">13675952</a>
CIELab	<a href="#">73.82, 13.16, 3.21</a>
CIELCh	<a href="#">74, 13.545, 13.727</a>
Yxy	<a href="#">46.4316, 0.3419, 0.3254</a>
Android (android.graphics.Color)	<a href="#">4291866032</a> <a href="#">(0xFFD0ADB0)</a>
YUV	<a href="#">183.8070, -3.8489, 21.2173</a>
Hunter-Lab	<a href="#">68.1407, 8.5525, 6.3915</a>

# Details

The Yxy color  $46.4316, 0.3419, 0.3254$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $58.3864, 0.2894, 0.3327$ , and the grayscale version is  $47.8340, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.1248, 0.3288, 0.3261$ , and  $21.9023, 0.3495, 0.3242$  is the 20% darker color. If you saturate the color by 10%, you get  $38.3674, 0.3651, 0.3231$ , and if you desaturate by 10%, it is  $55.8468, 0.3233, 0.3276$ .

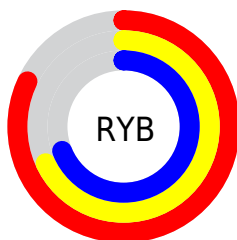
# Distribution



Red (82%)

Green (68%)

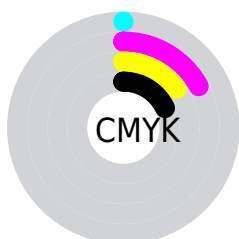
Blue (69%)



Red (82%)

Yellow (68%)

Blue (69%)

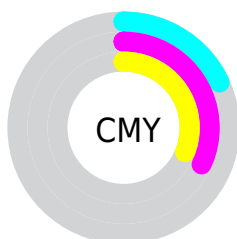


Cyan (0%)

Magenta (17%)

Yellow (15%)

Black (18%)



Cyan (18%)


Magenta (32%)


Yellow (31%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4316, 0.3419, 0.3254 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 46.4316, 0.3419, 0.3254 by changing the saturation by 10% instead.


 46.4316, 0.3419,  
0.3254

 46.4316, 0.3419,  
0.3254

372.5411, 0.3272,  
0.3273

 32.5865, 0.3456,  
0.3249


 84.8646, 0.3365,  
0.3261

 21.8099, 0.3503,  
0.3242


110.2212, 0.3345,  
0.3264

 13.7173, 0.3567,  
0.3232


140.1839, 0.3329,  
0.3266

 7.9243, 0.3656,  
0.3218

175.1370, 0.3314,  
0.3268

 4.0465, 0.3791,  
0.3196

215.4649, 0.3302,  
0.3270

 1.6996, 0.4016,  
0.3154


261.5519, 0.3291,


 0.4234, 0.5231,


0.3271

0.3061


313.7825, 0.3281,  
0.3272

 0.0000, 0.0000,  
0.0000

 46.4316, 0.3419,  
0.3254

 46.4316, 0.3419,  
0.3254


 38.3674, 0.3651,  
0.3231


 55.8468, 0.3233,  
0.3276

 31.5863, 0.3937,  
0.3209


 66.6643, 0.3083,  
0.3296

 26.0240, 0.4285,  
0.3188

 78.9405, 0.2962,  
0.3315

 21.6082, 0.4691,  
0.3174

 91.9569, 0.2864,  
0.3320

 18.2587, 0.5140,  
0.3169

 92.1447, 0.2849,  
0.3289

■ 15.8854, 0.5591,  
0.3179

■ 14.3829, 0.5982,  
0.3206

■ 13.6146, 0.6253,  
0.3245

■ 13.4478, 0.6315,  
0.3253

# Harmonies

## Analogous

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



46.4316, 0.3259, 0.3105



46.4316, 0.3419, 0.3254



46.4316, 0.3499, 0.3416

# Triad

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



46.4316, 0.3419, 0.3254



46.4316, 0.3179, 0.3599



46.4316, 0.2788, 0.3022

# Complementary

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



46.4316, 0.3419, 0.3254



58.3864, 0.2894, 0.3327

# 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.



46.4316, 0.2769, 0.3146



46.4316, 0.3419, 0.3254



46.4316, 0.2991, 0.3486

# Square

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



46.4316, 0.3419, 0.3254



46.4316, 0.3357, 0.3622



46.4316, 0.2842, 0.3317



46.4316, 0.2896, 0.2972

# Rectangle

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



46.4316, 0.3419, 0.3254



46.4316, 0.3495, 0.3512



46.4316, 0.2842, 0.3317



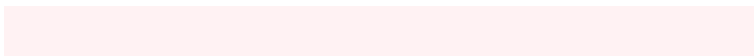
46.4316, 0.2771, 0.3056

# Sweetspot

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



46.4337, 0.3419, 0.3254



91.4051, 0.3204, 0.3280



47.3498, 0.3117, 0.2873



19.3158, 0.3215, 0.3278



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.



46.4337, 0.3419, 0.3254



69.0184, 0.3493, 0.3246



51.9614, 0.3418, 0.3461



11.8245, 0.3277, 0.3270



8.3907, 0.6297, 0.3242



0.4750, 0.5995, 0.3076



# Inverse Universe

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



46.4337, 0.3419, 0.3254



69.0184, 0.3493, 0.3246



52.0155, 0.2867, 0.3113



11.8245, 0.3277, 0.3270



8.3907, 0.6297, 0.3242

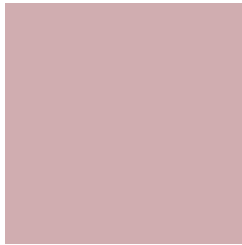


0.4750, 0.5995, 0.3076



# Previews

## White Background



This preview shows how the Yxy color 46.4316, 0.3419, 0.3254 looks on a white background.

## Color Contrast Check

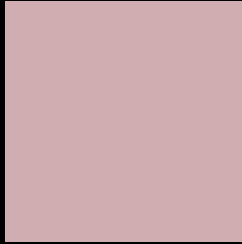
Large Text (above 18pt) WCAG AA × Fail

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 46.4316, 0.3419, 0.3254 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

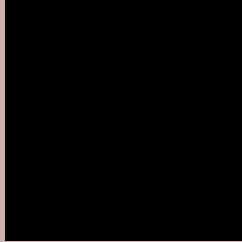
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.4316, 0.3419, 0.3254**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.4316, 0.3419, 0.3254.



This preview shows how white text looks on a background with the Yxy color 46.4316, 0.3419, 0.3254.

# 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

46.4316, 0.3419, 0.3254

### Protanopia

46.6573, 0.3169, 0.3303

### Deuteranopia

46.6028, 0.3350, 0.3291



## Tritanopia

46.5631, 0.3351, 0.3133

# Trichromacy



**Original Color**  
46.4316, 0.3419, 0.3254

**Protanomaly**  
46.4329, 0.3251, 0.3278

**Deuteranomaly**  
46.6319, 0.3379, 0.3278

**Tritanomaly**  
46.4378, 0.3377, 0.3169

# Monochromacy



**Original Color**  
46.4316, 0.3419, 0.3254

**Achromatopsia**  
47.9320, 0.3127, 0.3290

**Achromatomaly**  
47.3162, 0.3232, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4316, 0.3419, 0.3254 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(208, 173, 176) looks like.

```
.text, #text, p{  
    color:rgb(208, 173, 176)  
}
```

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(208, 173, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 173, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4316, 0.3419, 0.3254 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(208, 173, 176) }
```

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

```
.border{ border-color:rgb(208, 173, 176) }
```

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

Here you see how a box with a 4 pixel rgb(208, 173, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 173, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 173, 176);  
box-shadow:4px 4px 4px 4px rgb(208, 173,  
176) }
```

# Background

The CSS property to change the background color of an element to Yxy 46.4316, 0.3419, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 173, 176) }
```

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

```
.background{ background-color: rgb(208,  
173, 176) }
```

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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