

# Converting Colors

$Y_{xy}(49.3717, 0.3516, 0.3109)$

Have a look what the booklet for  
Yxy(49.3717, 0.3516, 0.3109)  
contains.

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# Color

**Yxy(49.3717, 0.3516, 0.3109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5ABBB
RGB	229, 171, 187
RGB Percent	90%, 67%, 73%
CMY	0.1021, 0.3293, 0.2667
CMYK	0.00, 0.25, 0.18, 0.10
HSL	343°, 53%, 78%
HSV	343°, 25%, 90%
XYZ	55.8350, 49.3717, 53.5958
YIQ	190.1660, 29.4320, 17.2720

# Conversions

## Conversions Part 2

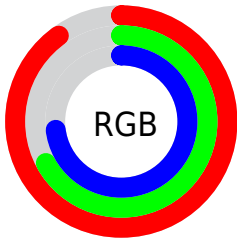
Format	Color
R <sub>Y</sub> B	229, 171, 187
Decimal	15051707
CIE Lab	75.68, 23.57, 0.16
CIE LCh	76, 23.574, 0.385
Yxy	49.3717, 0.3516, 0.3109
Android (android.graphics.Color)	4293241787 (0xFFE5ABBB)
YUV	190.1660, -1.5608, 34.0574
Hunter-Lab	70.2650, 18.8784, 3.9610

# Details

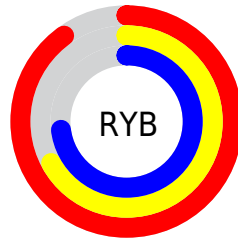
The Yxy color **49.3717, 0.3516, 0.3109** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **69.4800, 0.2846, 0.3480**, and the grayscale version is **51.5896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6692, 0.3217, 0.3133**, and **23.5623, 0.3629, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **40.7892, 0.3734, 0.3034**, and if you desaturate by 10%, it is **59.5389, 0.3338, 0.3183**.

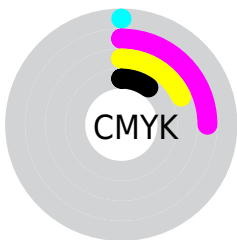
# Distribution



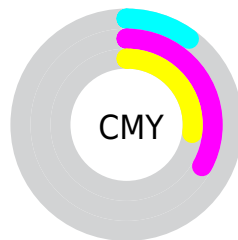
- Red (90%)
- Green (67%)
- Blue (73%)



- Red (90%)
- Yellow (67%)
- Blue (73%)



- Cyan (0%)
- Magenta (25%)
- Yellow (18%)
- Black (10%)




- Cyan (10%)
- Magenta (33%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3717, 0.3516, 0.3109 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 49.3717, 0.3516, 0.3109 by changing the saturation by 10% instead.





 49.3717, 0.3516,  
0.3109

 49.3717, 0.3516,  
0.3109


384.2038, 0.3323,  
0.3199

 34.9144, 0.3564,  
0.3087


 89.2433, 0.3446,  
0.3141

 23.5970, 0.3624,  
0.3058


115.4263, 0.3420,  
0.3154

 15.0349, 0.3705,  
0.3021


146.2868, 0.3398,  
0.3164

 8.8439, 0.3816,  
0.2969

182.2091, 0.3379,  
0.3173

 4.6395, 0.3979,  
0.2892

223.5775, 0.3362,  
0.3181

 2.0373, 0.4243,  
0.2769

270.7765, 0.3348,

 0.6290, 0.4833,

0.3188

0.2495

324.1905, 0.3335,  
0.3194

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.3717, 0.3516,  
0.3109

49.3717, 0.3516,  
0.3109

40.7892, 0.3734,  
0.3034

59.5389, 0.3338,  
0.3183

33.7047, 0.3997,  
0.2962

71.3584, 0.3193,  
0.3254

28.0333, 0.4307,  
0.2901

84.9019, 0.3075,  
0.3320

23.6790, 0.4659,  
0.2861

95.2843, 0.2979,  
0.3306

■ 20.5336, 0.5038,  
0.2854

■ 95.3912, 0.2969,  
0.3290

■ 18.4713, 0.5412,  
0.2889

■ 17.3385, 0.5744,  
0.2968

■ 17.0113, 0.5880,  
0.3013

# Harmonies

## Analogous

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



49.3717, 0.3203, 0.2895



49.3717, 0.3516, 0.3109



49.3717, 0.3726, 0.3372

# Triad

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



49.3717, 0.3516, 0.3109



49.3717, 0.3351, 0.3865



49.3717, 0.2527, 0.2908

# Complementary

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



49.3717, 0.3516, 0.3109



69.4800, 0.2846, 0.3480

# 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.



49.3717, 0.2563, 0.3159



49.3717, 0.3516, 0.3109



49.3717, 0.3028, 0.3738

# Square

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



49.3717, 0.3516, 0.3109



49.3717, 0.3623, 0.3817



49.3717, 0.2742, 0.3469



49.3717, 0.2641, 0.2775



# Rectangle

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



49.3717, 0.3516, 0.3109



49.3717, 0.3772, 0.3548



49.3717, 0.2742, 0.3469



49.3717, 0.2522, 0.2981

# Sweetspot

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



49.3740, 0.3516, 0.3109



86.7524, 0.3229, 0.3235



48.8681, 0.3020, 0.2635



18.0693, 0.3251, 0.3225



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.



49.3740, 0.3516, 0.3109



57.4509, 0.3617, 0.3072



53.6980, 0.3628, 0.3435



14.4329, 0.3249, 0.3225



9.7477, 0.5841, 0.2991



0.7357, 0.5424, 0.2762



# Inverse Universe

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



49.3740, 0.3516, 0.3109



57.4509, 0.3617, 0.3072



63.6357, 0.2743, 0.3140



14.4329, 0.3249, 0.3225



9.7477, 0.5841, 0.2991



0.7357, 0.5424, 0.2762



# Previews

## White Background



This preview shows how the Yxy color 49.3717, 0.3516, 0.3109 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

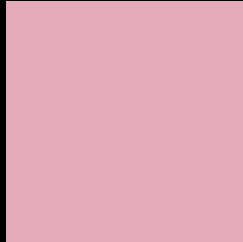
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.3717, 0.3516, 0.3109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

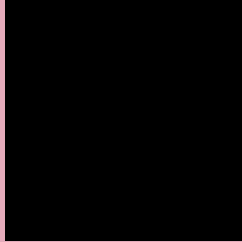
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.3717, 0.3516, 0.3109**

## Background



This preview shows how black text looks on a background with the Yxy color 49.3717, 0.3516, 0.3109.



This preview shows how white text looks on a background with the Yxy color 49.3717, 0.3516, 0.3109.

# 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

49.3717, 0.3516, 0.3109

### Protanopia

49.7947, 0.3067, 0.3165

### Deuteranopia

49.5297, 0.3302, 0.3242



## Tritanopia

49.2866, 0.3535, 0.3131

# Trichromacy



## Original Color

49.3717, 0.3516, 0.3109

## Protanomaly

49.5945, 0.3219, 0.3144

## Deuteranomaly

49.2856, 0.3379, 0.3184

## Tritanomaly

49.3290, 0.3525, 0.3120

# Monochromacy



## Original Color

49.3717, 0.3516, 0.3109

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

50.3785, 0.3258, 0.3217

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.3717, 0.3516, 0.3109 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(229, 171, 187)` looks like.

```
.text, #text, p{  
    color:rgb(229, 171, 187)  
}
```

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(229, 171, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 171, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3717, 0.3516, 0.3109 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(229, 171, 187) }
```

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

```
.border{ border-color:rgb(229, 171, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 171, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 171, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 171, 187); box-shadow:4px 4px 4px 4px rgb(229, 171, 187) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3717, 0.3516, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 171, 187) }
```

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

```
.background{ background-color: rgb(229,  
171, 187) }
```

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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