

# Converting Colors

$Yxy(49.3836, 0.3648, 0.3251)$

Have a look what the booklet for  
Yxy(49.3836, 0.3648, 0.3251)  
contains.

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# Color

**Yxy(49.2099, 0.3645, 0.3246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7ABAF
RGB	231, 171, 175
RGB Percent	91%, 67%, 69%
CMY	0.0940, 0.3294, 0.3138
CMYK	0.00, 0.26, 0.24, 0.09
HSL	356°, 56%, 79%
HSV	356°, 26%, 91%
XYZ	55.2588, 49.2099, 47.1330
YIQ	189.3960, 34.4760, 13.9640

# Conversions

## Conversions Part 2

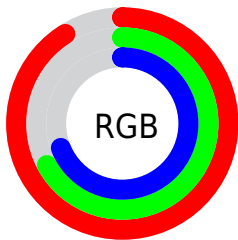
Format	Color
R <sub>Y</sub> B	231, 171, 175
Decimal	15182767
CIE Lab	75.58, 22.56, 6.61
CIE LCh	76, 23.508, 16.323
Yxy	49.2099, 0.3645, 0.3246
Android (android.graphics.Color)	4293372847 (0xFFE7ABAF)
YUV	189.3960, -7.0972, 36.4867
Hunter-Lab	70.1498, 17.8470, 9.2685

# Details

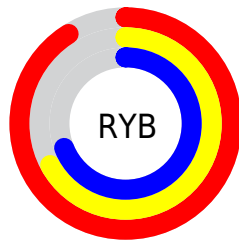
The Yxy color **49.2099, 0.3645, 0.3246** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **71.3689, 0.2769, 0.3335**, and the grayscale version is **51.1553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9113, 0.3304, 0.3261**, and **23.3856, 0.3784, 0.3217** is the 20% darker color. If you saturate the color by 10%, you get **40.4534, 0.3936, 0.3229**, and if you desaturate by 10%, it is **59.6315, 0.3410, 0.3264**.

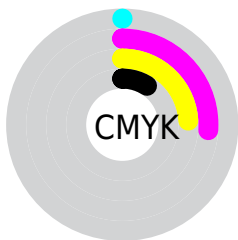
# Distribution



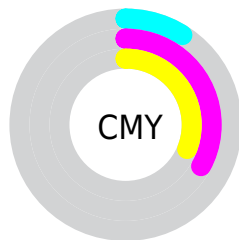
- Red (91%)
- Green (67%)
- Blue (69%)



- Red (91%)
- Yellow (67%)
- Blue (69%)



- Cyan (0%)
- Magenta (26%)
- Yellow (24%)
- Black (9%)




- Cyan (9%)
- Magenta (33%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2099, 0.3645, 0.3246 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 49.2099, 0.3645, 0.3246 by changing the saturation by 10% instead.





 49.2099, 0.3645,  
0.3246

 49.2099, 0.3645,  
0.3246


383.5681, 0.3387,  
0.3272

 34.7860, 0.3709,  
0.3238


 89.0031, 0.3551,  
0.3256

 23.4981, 0.3792,  
0.3228


115.1412, 0.3516,  
0.3260

 14.9617, 0.3901,  
0.3213


145.9529, 0.3486,  
0.3263

 8.7925, 0.4053,  
0.3191

181.8225, 0.3461,  
0.3265

 4.6061, 0.4277,  
0.3153

223.1344, 0.3438,  
0.3267

 2.0181, 0.4641,  
0.3082

270.2731, 0.3419,

 0.6179, 0.5862,

0.3269

0.3085

323.6228, 0.3402,  
0.3271

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.2099, 0.3645,  
0.3246

49.2099, 0.3645,  
0.3246

40.4534, 0.3936,  
0.3229

59.6315, 0.3410,  
0.3264

33.2693, 0.4290,  
0.3213

71.7910, 0.3221,  
0.3281

27.5665, 0.4706,  
0.3202

85.7651, 0.3070,  
0.3296

23.2417, 0.5164,  
0.3199

95.7322, 0.2982,  
0.3290

■ 20.1782, 0.5622,  
0.3208

■ 18.2401, 0.6015,  
0.3229

■ 17.2597, 0.6277,  
0.3261

■ 17.0276, 0.6345,  
0.3269

# Harmonies

## Analogous

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



49.2099, 0.3376, 0.3000



49.2099, 0.3645, 0.3246



49.2099, 0.3769, 0.3513

# Triad

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



49.2099, 0.3645, 0.3246



49.2099, 0.3180, 0.3818



49.2099, 0.2570, 0.2822

# Complementary

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



49.2099, 0.3645, 0.3246



71.3689, 0.2769, 0.3335

# 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.



49.2099, 0.2526, 0.3014



49.2099, 0.3645, 0.3246



49.2099, 0.2867, 0.3607

# Square

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



49.2099, 0.3645, 0.3246



49.2099, 0.3490, 0.3862



49.2099, 0.2631, 0.3303



49.2099, 0.2756, 0.2759



# Rectangle

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



49.2099, 0.3645, 0.3246



49.2099, 0.3749, 0.3674



49.2099, 0.2631, 0.3303



49.2099, 0.2539, 0.2872

# Sweetspot

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



49.2122, 0.3645, 0.3246



86.5013, 0.3257, 0.3277



51.2301, 0.3124, 0.2638



18.0066, 0.3284, 0.3275



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.



49.2122, 0.3645, 0.3246



55.6352, 0.3788, 0.3237



59.8687, 0.3608, 0.3584



14.3834, 0.3282, 0.3275



9.5504, 0.6328, 0.3260



0.7112, 0.6132, 0.3152



# Inverse Universe

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



49.2122, 0.3645, 0.3246



55.6352, 0.3788, 0.3237



58.0964, 0.2718, 0.2976



14.3834, 0.3282, 0.3275



9.5504, 0.6328, 0.3260

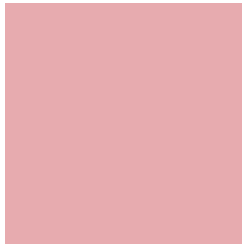


0.7112, 0.6132, 0.3152



# Previews

## White Background



This preview shows how the Yxy color 49.2099, 0.3645, 0.3246 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

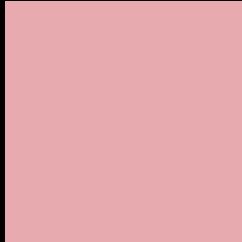
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.2099, 0.3645, 0.3246 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 49.2099, 0.3645, 0.3246**

## Background



This preview shows how black text looks on a background with the Yxy color 49.2099, 0.3645, 0.3246.



This preview shows how white text looks on a background with the Yxy color 49.2099, 0.3645, 0.3246.

# 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

49.2099, 0.3645, 0.3246

### Protanopia

49.6131, 0.3193, 0.3328

### Deuteranopia

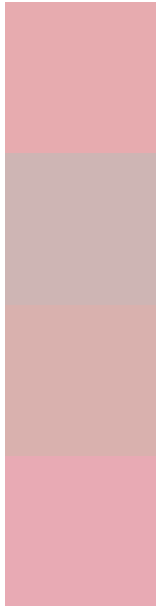
49.2150, 0.3441, 0.3376



## Tritanopia

49.3242, 0.3582, 0.3144

# Trichromacy



## Original Color

49.2099, 0.3645, 0.3246

## Protanomaly

49.4648, 0.3353, 0.3303

## Deuteranomaly

49.2520, 0.3511, 0.3327

## Tritanomaly

49.2005, 0.3610, 0.3178

# Monochromacy



## Original Color

49.2099, 0.3645, 0.3246

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

49.7540, 0.3301, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2099, 0.3645, 0.3246 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(231, 171, 175)` looks like.

```
.text, #text, p{  
    color:rgb(231, 171, 175)  
}
```

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(231, 171, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 171, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2099, 0.3645, 0.3246 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(231, 171, 175) }
```

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

```
.border{ border-color:rgb(231, 171, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 171, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 171, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 171, 175);  
box-shadow:4px 4px 4px 4px rgb(231, 171,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2099, 0.3645, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 171, 175) }
```

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

```
.background{ background-color: rgb(231,  
171, 175) }
```

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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