

# Converting Colors

$Y_{xy}(49.0899, 0.3663, 0.3144)$

Have a look what the booklet for  
Yxy(49.0899, 0.3663, 0.3144)  
contains.

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# Color

**Yxy(48.9372, 0.3663, 0.3146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDA7B4
RGB	237, 167, 180
RGB Percent	93%, 65%, 71%
CMY	0.0707, 0.3451, 0.2940
CMYK	0.00, 0.30, 0.24, 0.07
HSL	349°, 66%, 79%
HSV	349°, 30%, 93%
XYZ	56.9793, 48.9372, 49.6372
YIQ	189.4120, 37.5470, 18.8830

# Conversions

## Conversions Part 2

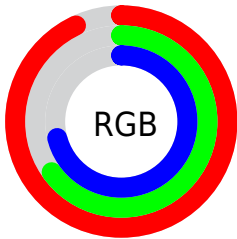
Format	Color
R <sub>Y</sub> B	237, 167, 180
Decimal	15574964
CIE Lab	75.41, 27.58, 3.68
CIE LCh	75, 27.822, 7.603
Yxy	48.9372, 0.3663, 0.3146
Android (android.graphics.Color)	4293765044 (0xFFEDA7B4)
YUV	189.4120, -4.6401, 41.7347
Hunter-Lab	69.9551, 22.9690, 6.8989

# Details

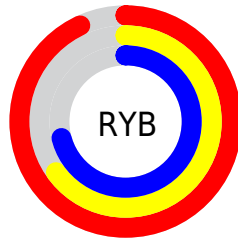
The Yxy color **48.9372, 0.3663, 0.3146** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **74.1540, 0.2769, 0.3441**, and the grayscale version is **51.1499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0915, 0.3267, 0.3162**, and **23.2702, 0.3823, 0.3103** is the 20% darker color. If you saturate the color by 10%, you get **40.3045, 0.3933, 0.3096**, and if you desaturate by 10%, it is **59.2748, 0.3443, 0.3197**.

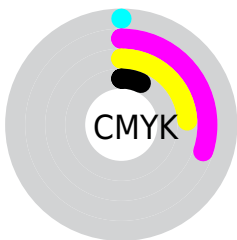
# Distribution



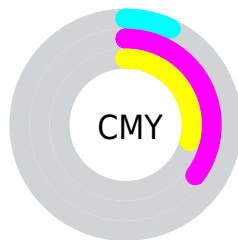
- Red (93%)
- Green (65%)
- Blue (71%)



- Red (93%)
- Yellow (65%)
- Blue (71%)



- Cyan (0%)
- Magenta (30%)
- Yellow (24%)
- Black (7%)



- Cyan (7%)
- Magenta (35%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9372, 0.3663, 0.3146 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 48.9372, 0.3663, 0.3146 by changing the saturation by 10% instead.




 48.9372, 0.3663,  
0.3146


 48.9372, 0.3663,  
0.3146


382.4950, 0.3396,  
0.3220

 34.5697, 0.3729,  
0.3127


 88.5982, 0.3566,  
0.3173

 23.3316, 0.3814,  
0.3102


 114.6604, 0.3530,  
0.3184

 14.8385, 0.3927,  
0.3069


145.3897, 0.3499,  
0.3192

 8.7061, 0.4082,  
0.3021

181.1703, 0.3473,  
0.3199

 4.5500, 0.4312,  
0.2949

222.3868, 0.3450,  
0.3206

 1.9857, 0.4684,  
0.2826

269.4235, 0.3430,

 0.5992, 0.5685,

0.3211

0.2601

322.6648, 0.3412,  
0.3216

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.9372, 0.3663,  
0.3146

48.9372, 0.3663,  
0.3146

40.3045, 0.3933,  
0.3096

59.2748, 0.3443,  
0.3197

33.2784, 0.4257,  
0.3051

71.3950, 0.3265,  
0.3246

27.7611, 0.4635,  
0.3019

85.3792, 0.3121,  
0.3292

23.6411, 0.5050,  
0.3008

96.7412, 0.3017,  
0.3290

■ 20.7916, 0.5470,  
0.3026

■ 19.0625, 0.5845,  
0.3078

■ 18.2151, 0.6130,  
0.3154

■ 18.1837, 0.6142,  
0.3157

# Harmonies

## Analogous

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



48.9372, 0.3309, 0.2880



48.9372, 0.3663, 0.3146



48.9372, 0.3869, 0.3457

# Triad

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



48.9372, 0.3663, 0.3146



48.9372, 0.3297, 0.3959



48.9372, 0.2440, 0.2786

# Complementary

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



48.9372, 0.3663, 0.3146



74.1540, 0.2769, 0.3441

# 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.



48.9372, 0.2438, 0.3049



48.9372, 0.3663, 0.3146



48.9372, 0.2918, 0.3760

# Square

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



48.9372, 0.3663, 0.3146



48.9372, 0.3645, 0.3944



48.9372, 0.2608, 0.3411



48.9372, 0.2611, 0.2671



# Rectangle

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



48.9372, 0.3663, 0.3146



48.9372, 0.3887, 0.3658



48.9372, 0.2608, 0.3411



48.9372, 0.2420, 0.2858

# Sweetspot

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



48.9395, 0.3663, 0.3146



85.0761, 0.3257, 0.3248



49.4410, 0.3045, 0.2529



17.7300, 0.3280, 0.3241



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.



48.9395, 0.3663, 0.3146



51.8337, 0.3808, 0.3118



56.7593, 0.3719, 0.3525



15.0998, 0.3264, 0.3246



9.9435, 0.6108, 0.3138



0.7937, 0.5741, 0.2936



# Inverse Universe

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



48.9395, 0.3663, 0.3146



51.8337, 0.3808, 0.3118



63.4368, 0.2674, 0.3041



15.0998, 0.3264, 0.3246



9.9435, 0.6108, 0.3138



0.7937, 0.5741, 0.2936



# Previews

## White Background



This preview shows how the Yxy color 48.9372, 0.3663, 0.3146 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

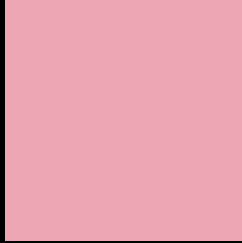
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9372, 0.3663, 0.3146 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 48.9372, 0.3663, 0.3146**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.9372, 0.3663, 0.3146.



This preview shows how white text looks on a background with the Yxy color 48.9372, 0.3663, 0.3146.

# 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

48.9372, 0.3663, 0.3146

### Protanopia

49.1070, 0.3113, 0.3227

### Deuteranopia

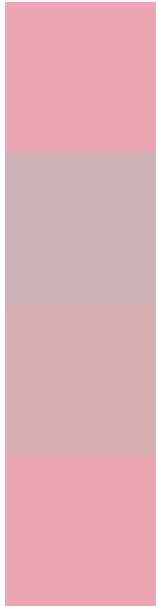
49.1223, 0.3380, 0.3315



## Tritanopia

48.9372, 0.3663, 0.3146

# Trichromacy



## Original Color

48.9372, 0.3663, 0.3146

## Protanomaly

48.5078, 0.3307, 0.3193

## Deuteranomaly

48.8200, 0.3480, 0.3244

## Tritanomaly

48.9372, 0.3663, 0.3146

# Monochromacy



## Original Color

48.9372, 0.3663, 0.3146

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

49.7147, 0.3303, 0.3230

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9372, 0.3663, 0.3146 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(237, 167, 180)` looks like.

```
.text, #text, p{  
    color:rgb(237, 167, 180)  
}
```

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(237, 167, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 167, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9372, 0.3663, 0.3146 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(237, 167, 180) }
```

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

```
.border{ border-color:rgb(237, 167, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 167, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 167, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 167, 180);  
box-shadow:4px 4px 4px 4px rgb(237, 167,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9372, 0.3663, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 167, 180) }
```

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

```
.background{ background-color: rgb(237,  
167, 180) }
```

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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