

# Converting Colors

$Y_{xy}(49.0314, 0.3832, 0.3206)$

Have a look what the booklet for  
Yxy(49.0314, 0.3832, 0.3206)  
contains.

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# Color

**Yxy(49.1223, 0.3832, 0.3205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6A4AC
RGB	246, 164, 172
RGB Percent	96%, 64%, 67%
CMY	0.0352, 0.3569, 0.3255
CMYK	0.00, 0.33, 0.30, 0.04
HSL	354°, 82%, 80%
HSV	354°, 33%, 96%
XYZ	58.7322, 49.1223, 45.4132
YIQ	189.4300, 46.3040, 19.8720

# Conversions

## Conversions Part 2

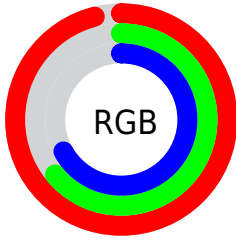
Format	Color
R <sub>YB</sub>	246, 164, 172
Decimal	16164012
CIE Lab	75.53, 31.36, 8.38
CIE LCh	76, 32.460, 14.954
Yxy	49.1223, 0.3832, 0.3205
Android (android.graphics.Color)	4294354092 (0xFFF6A4AC)
YUV	189.4300, -8.5930, 49.6119
Hunter-Lab	70.0873, 26.9277, 10.6440

# Details

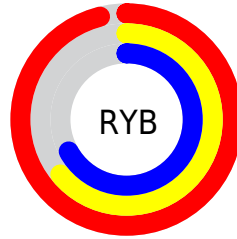
The Yxy color **49.1223, 0.3832, 0.3205** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **79.9891, 0.2692, 0.3380**, and the grayscale version is **51.1796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9925, 0.3332, 0.3221**, and **23.4163, 0.4032, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **40.3716, 0.4159, 0.3180**, and if you desaturate by 10%, it is **59.7233, 0.3565, 0.3231**.

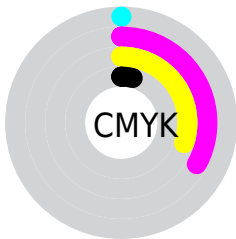
# Distribution



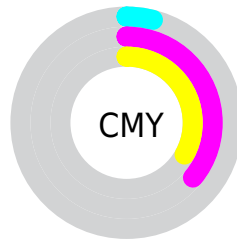
- Red (96%)
- Green (64%)
- Blue (67%)



- Red (96%)
- Yellow (64%)
- Blue (67%)



- Cyan (0%)
- Magenta (33%)
- Yellow (30%)
- Black (4%)




- Cyan (4%)
- Magenta (36%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1223, 0.3832, 0.3205 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 49.1223, 0.3832, 0.3205 by changing the saturation by 10% instead.





 49.1223, 0.3832,  
0.3205


 49.1223, 0.3832,  
0.3205


383.2236, 0.3480,  
0.3254

 34.7165, 0.3919,  
0.3191

 88.8731, 0.3704,  
0.3224

 23.4446, 0.4031,  
0.3172


 114.9868, 0.3656,  
0.3231

 14.9221, 0.4180,  
0.3145


145.7720, 0.3616,  
0.3237

 8.7647, 0.4385,  
0.3104

181.6131, 0.3581,  
0.3241

 4.5881, 0.4686,  
0.3037

222.8944, 0.3550,  
0.3245

 2.0077, 0.5165,  
0.2914

270.0003, 0.3524,

 0.6119, 0.6775,

0.3249

0.2849

323.3152, 0.3501,  
0.3251

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.1223, 0.3832,  
0.3205

49.1223, 0.3832,  
0.3205

40.3716, 0.4159,  
0.3180

59.7233, 0.3565,  
0.3231

33.3584, 0.4547,  
0.3161

72.2647, 0.3349,  
0.3258

27.9689, 0.4986,  
0.3151

86.8393, 0.3177,  
0.3282

24.0723, 0.5443,  
0.3157

98.3361, 0.3072,  
0.3290

■ 21.5180, 0.5861,  
0.3181

■ 20.1233, 0.6176,  
0.3223

■ 19.6620, 0.6312,  
0.3251

# Harmonies

## Analogous

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



49.1223, 0.3447, 0.2883



49.1223, 0.3832, 0.3205



49.1223, 0.4014, 0.3564

# Triad

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



49.1223, 0.3832, 0.3205



49.1223, 0.3211, 0.4043



49.1223, 0.2366, 0.2655

# Complementary

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



49.1223, 0.3832, 0.3205



79.9891, 0.2692, 0.3380

# 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.



49.1223, 0.2315, 0.2916



49.1223, 0.3832, 0.3205



49.1223, 0.2782, 0.3752

# Square

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



49.1223, 0.3832, 0.3205



49.1223, 0.3636, 0.4079



49.1223, 0.2461, 0.3319



49.1223, 0.2604, 0.2572



# Rectangle

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



49.1223, 0.3832, 0.3205



49.1223, 0.3990, 0.3788



49.1223, 0.2461, 0.3319



49.1223, 0.2327, 0.2723

# Sweetspot

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



49.1247, 0.3832, 0.3205



83.4012, 0.3288, 0.3266



51.3504, 0.3098, 0.2444



17.3909, 0.3313, 0.3262



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.



49.1247, 0.3832, 0.3205



46.6849, 0.4045, 0.3188



62.1208, 0.3792, 0.3644



16.5088, 0.3278, 0.3267



10.5021, 0.6290, 0.3238



0.9317, 0.6059, 0.3111



# Inverse Universe

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



49.1247, 0.3832, 0.3205



46.6849, 0.4045, 0.3188



62.2414, 0.2603, 0.2904



16.5088, 0.3278, 0.3267



10.5021, 0.6290, 0.3238



0.9317, 0.6059, 0.3111



# Previews

## White Background



This preview shows how the Yxy color 49.1223, 0.3832, 0.3205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

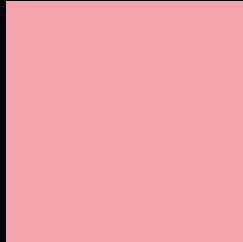
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.1223, 0.3832, 0.3205 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 49.1223, 0.3832, 0.3205**

## Background



This preview shows how black text looks on a background with the Yxy color 49.1223, 0.3832, 0.3205.



This preview shows how white text looks on a background with the Yxy color 49.1223, 0.3832, 0.3205.

# 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

49.1223, 0.3832, 0.3205

### Protanopia

49.5257, 0.3176, 0.3315

### Deuteranopia

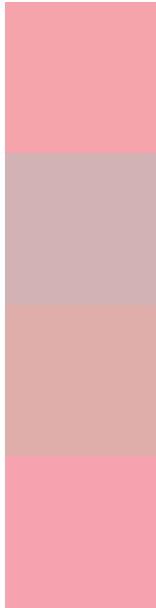
49.3560, 0.3494, 0.3425



## Tritanopia

48.9218, 0.3796, 0.3151

# Trichromacy



## Original Color

49.1223, 0.3832, 0.3205

## Protanomaly

48.8377, 0.3394, 0.3267

## Deuteranomaly

49.0217, 0.3618, 0.3338

## Tritanomaly

48.8824, 0.3806, 0.3162

# Monochromacy



## Original Color

49.1223, 0.3832, 0.3205

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

49.7631, 0.3365, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.1223, 0.3832, 0.3205 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(246, 164, 172)` looks like.

```
.text, #text, p{  
    color:rgb(246, 164, 172)  
}
```

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(246, 164, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 164, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 49.1223, 0.3832, 0.3205 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(246, 164, 172) }
```

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

```
.border{ border-color:rgb(246, 164, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 164, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 164, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 164, 172);  
box-shadow:4px 4px 4px 4px rgb(246, 164,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.1223, 0.3832, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 164, 172) }
```

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

```
.background{ background-color: rgb(246,  
164, 172) }
```

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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