

# Converting Colors

$Y_{xy}(45.2055, 0.3813, 0.3069)$

Have a look what the booklet for  
Yxy(45.2055, 0.3813, 0.3069)  
contains.

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# Color

**Yxy(45.2219, 0.3815, 0.3072)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F39AAE
RGB	243, 154, 174
RGB Percent	95%, 60%, 68%
CMY	0.0471, 0.3961, 0.3175
CMYK	0.00, 0.37, 0.28, 0.05
HSL	347°, 79%, 78%
HSV	347°, 37%, 95%
XYZ	56.1594, 45.2219, 45.8254
YIQ	182.8910, 46.6240, 25.0880

# Conversions

## Conversions Part 2

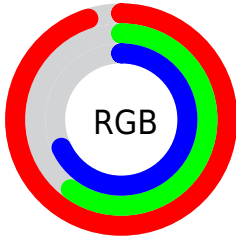
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 154, 174
Decimal	15964846
CIE <sub>Lab</sub>	73.04, 35.78, 3.63
CIE <sub>LCh</sub>	73, 35.964, 5.797
Yxy	45.2219, 0.3815, 0.3072
Android (android.graphics.Color)	4294154926 (0xFFFF39AAE)
YUV	182.8910, -4.3833, 52.7156
Hunter-Lab	67.2472, 31.3859, 6.6700

# Details

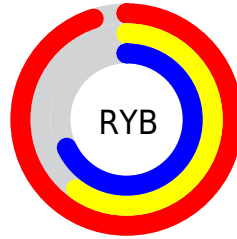
The Yxy color **45.2219, 0.3815, 0.3072** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **76.2977, 0.2712, 0.3525**, and the grayscale version is **47.2983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5181, 0.3331, 0.3090**, and **21.0268, 0.4014, 0.2996** is the 20% darker color. If you saturate the color by 10%, you get **37.3142, 0.4107, 0.3015**, and if you desaturate by 10%, it is **54.8604, 0.3573, 0.3134**.

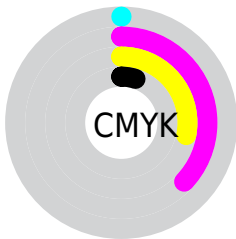
# Distribution



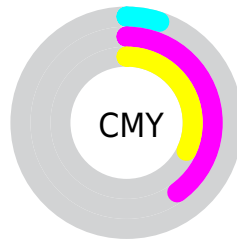
- Red (95%)
- Green (60%)
- Blue (68%)



- Red (95%)
- Yellow (60%)
- Blue (68%)



- Cyan (0%)
- Magenta (37%)
- Yellow (28%)
- Black (5%)




- Cyan (5%)
- Magenta (40%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2219, 0.3815, 0.3072 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 45.2219, 0.3815, 0.3072 by changing the saturation by 10% instead.





 45.2219, 0.3815,  
0.3072


 45.2219, 0.3815,  
0.3072


367.6715, 0.3468,  
0.3185

 31.6322, 0.3902,  
0.3043


 83.0533, 0.3688,  
0.3114

 21.0808, 0.4015,  
0.3004


 108.0638, 0.3641,  
0.3129

 13.1830, 0.4164,  
0.2953


137.6501, 0.3601,  
0.3142

 7.5547, 0.4374,  
0.2879

172.1965, 0.3567,  
0.3153

 3.8114, 0.4686,  
0.2765

212.0875, 0.3537,  
0.3163

 1.5686, 0.5196,  
0.2571

257.7074, 0.3511,

 0.3363, 0.7350,

0.3171

0.1987

309.4406, 0.3488,  
0.3179

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.2219, 0.3815,  
0.3072

45.2219, 0.3815,  
0.3072

37.3142, 0.4107,  
0.3015

54.8604, 0.3573,  
0.3134

31.0280, 0.4451,  
0.2969

66.3175, 0.3376,  
0.3195

26.2517, 0.4838,  
0.2943

79.6828, 0.3216,  
0.3253

22.8565, 0.5245,  
0.2949

95.0382, 0.3087,  
0.3308

■ 20.6921, 0.5632,  
0.2993

■ 97.7946, 0.3054,  
0.3290

■ 19.5699, 0.5952,  
0.3074

■ 19.3272, 0.6043,  
0.3103

# Harmonies

## Analogous

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



45.2219, 0.3331, 0.2740



45.2219, 0.3815, 0.3072



45.2219, 0.4106, 0.3468

# Triad

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



45.2219, 0.3815, 0.3072



45.2219, 0.3371, 0.4200



45.2219, 0.2229, 0.2637

# Complementary

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



45.2219, 0.3815, 0.3072



76.2977, 0.2712, 0.3525

# 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.



45.2219, 0.2238, 0.2985



45.2219, 0.3815, 0.3072



45.2219, 0.2872, 0.3951

# Square

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



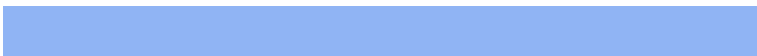
45.2219, 0.3815, 0.3072



45.2219, 0.3825, 0.4141



45.2219, 0.2463, 0.3476



45.2219, 0.2433, 0.2488



# Rectangle

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



45.2219, 0.3815, 0.3072



45.2219, 0.4138, 0.3732



45.2219, 0.2463, 0.3476



45.2219, 0.2208, 0.2732

# Sweetspot

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



45.2241, 0.3815, 0.3072



82.0689, 0.3282, 0.3228



45.1501, 0.2993, 0.2333



17.1329, 0.3304, 0.3220



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.



45.2241, 0.3815, 0.3072



43.6736, 0.4029, 0.3028



53.1237, 0.3923, 0.3553



16.5436, 0.3258, 0.3237



10.6242, 0.6007, 0.3083



0.9487, 0.5664, 0.2894



# Inverse Universe

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



45.2241, 0.3815, 0.3072



43.6736, 0.4029, 0.3028



64.1440, 0.2574, 0.3007



16.5436, 0.3258, 0.3237



10.6242, 0.6007, 0.3083



0.9487, 0.5664, 0.2894



# Previews

## White Background



This preview shows how the Yxy color 45.2219, 0.3815, 0.3072 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

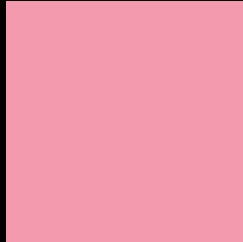
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2219, 0.3815, 0.3072 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

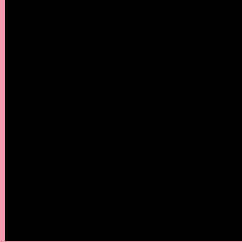
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.2219, 0.3815, 0.3072**

## Background



This preview shows how black text looks on a background with the Yxy color 45.2219, 0.3815, 0.3072.



This preview shows how white text looks on a background with the Yxy color 45.2219, 0.3815, 0.3072.

# 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

45.2219, 0.3815, 0.3072

### Protanopia

45.5743, 0.3064, 0.3173

### Deuteranopia

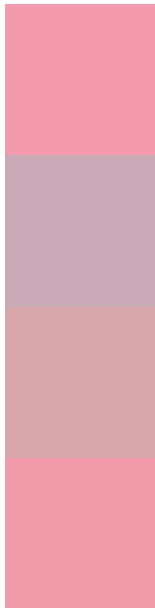
45.4917, 0.3388, 0.3329



## Tritanopia

45.1100, 0.3874, 0.3160

# Trichromacy



## Original Color

45.2219, 0.3815, 0.3072

## Protanomaly

44.8649, 0.3317, 0.3129

## Deuteranomaly

45.2149, 0.3543, 0.3231

## Tritanomaly

45.2222, 0.3844, 0.3126

# Monochromacy



## Original Color

45.2219, 0.3815, 0.3072

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

45.7795, 0.3358, 0.3192

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2219, 0.3815, 0.3072 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(243, 154, 174)` looks like.

```
.text, #text, p{  
    color:rgb(243, 154, 174)  
}
```

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(243, 154, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 154, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2219, 0.3815, 0.3072 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(243, 154, 174) }
```

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

```
.border{ border-color:rgb(243, 154, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 154, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 154, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 154, 174);  
box-shadow:4px 4px 4px 4px rgb(243, 154,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2219, 0.3815, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 154, 174) }
```

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

```
.background{ background-color: rgb(243,  
154, 174) }
```

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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