

# Converting Colors

$Y_{xy}(29.3097, 0.4093, 0.2438)$

Have a look what the booklet for  
Yxy(29.3097, 0.4093, 0.2438)  
contains.

<b>Yxy(29.3937, 0.4099, 0.2443)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(29.3937, 0.4099, 0.2443)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F855AB
RGB	248, 85, 171
RGB Percent	97%, 33%, 67%
CMY	0.0273, 0.6668, 0.3294
CMYK	0.00, 0.66, 0.31, 0.03
HSL	328°, 92%, 65%
HSV	328°, 66%, 97%
XYZ	49.3184, 29.3937, 41.6060
YIQ	143.5410, 69.5420, 61.3020

# Conversions

## Conversions Part 2

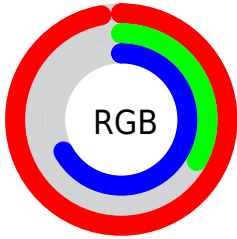
Format	Color
R <sub>Y</sub> B	248, 85, 171
Decimal	16274859
CIE Lab	61.13, 69.34, -12.15
CIE LCh	61, 70.395, 350.059
Yxy	29.3937, 0.4099, 0.2443
Android (android.graphics.Color)	4294464939 (0xFFFF855AB)
YUV	143.5410, 13.5373, 91.6105
Hunter-Lab	54.2160, 67.4973, -7.5487

# Details

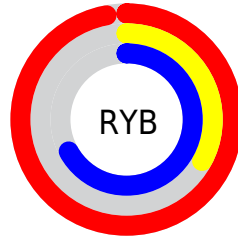
The Yxy color **29.3937, 0.4099, 0.2443** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **71.6904, 0.2719, 0.4446**, and the grayscale version is **27.6169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6975, 0.3433, 0.2468**, and **11.9184, 0.4393, 0.2197** is the 20% darker color. If you saturate the color by 10%, you get **25.7247, 0.4326, 0.2386**, and if you desaturate by 10%, it is **34.4730, 0.3888, 0.2539**.

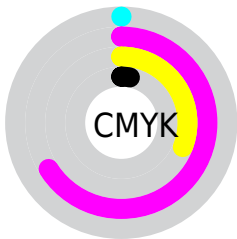
# Distribution



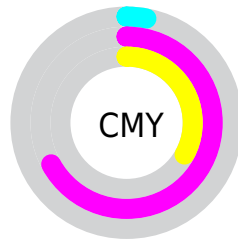
- Red (97%)
- Green (33%)
- Blue (67%)



- Red (97%)
- Yellow (33%)
- Blue (67%)



- Cyan (0%)
- Magenta (66%)
- Yellow (31%)
- Black (3%)




- Cyan (3%)
- Magenta (67%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3937, 0.4099, 0.2443 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 29.3937, 0.4099, 0.2443 by changing the saturation by 10% instead.




 29.3937, 0.4099,  
0.2443


 29.3937, 0.4099,  
0.2443


299.0680, 0.3593,  
0.2870

 19.3788, 0.4231,  
0.2337


 58.7020, 0.3911,  
0.2598


 11.9443, 0.4403,  
0.2201


 78.7643, 0.3842,  
0.2656

 6.7058, 0.4636,  
0.2021


 102.9445, 0.3784,  
0.2706

 3.2788, 0.4968,  
0.1775

 131.6270, 0.3734,  
0.2748

 1.2790, 0.5474,  
0.1425

165.1962, 0.3692,  
0.2785

 0.1248, 0.6677,  
0.0374

204.0365, 0.3655,

 0.0000, 1.0000,

0.2816

0.0000

248.5323, 0.3622,  
0.2845

0.0000, 0.0000,  
0.0000

29.3937, 0.4099,  
0.2443

29.3937, 0.4099,  
0.2443

25.7247, 0.4326,  
0.2386

34.4730, 0.3888,  
0.2539

23.3102, 0.4558,  
0.2380

41.0876, 0.3699,  
0.2661

21.9647, 0.4785,  
0.2429

49.3538, 0.3534,  
0.2797

21.5967, 0.4879,  
0.2461

59.3753, 0.3393,  
0.2939

71.2472, 0.3275,  
0.3080

85.0579, 0.3176,  
0.3216

98.5746, 0.3095,  
0.3309

98.7015, 0.3084,  
0.3290

# Harmonies

## Analogous

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



29.3937, 0.2920, 0.1956



29.3937, 0.4099, 0.2443



29.3937, 0.5063, 0.3091

# Triad

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



29.3937, 0.4099, 0.2443



29.3937, 0.3997, 0.5273



29.3937, 0.1322, 0.2156

# Complementary

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



29.3937, 0.4099, 0.2443



71.6904, 0.2719, 0.4446

# 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.



29.3937, 0.1488, 0.3044



29.3937, 0.4099, 0.2443



29.3937, 0.2984, 0.5342

# Square

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



29.3937, 0.4099, 0.2443



29.3937, 0.4860, 0.4592



29.3937, 0.2059, 0.4371



29.3937, 0.1495, 0.1759



# Rectangle

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



29.3937, 0.4099, 0.2443



29.3937, 0.5320, 0.3567



29.3937, 0.2059, 0.4371



29.3937, 0.1337, 0.2391

# Sweetspot

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



29.3952, 0.4099, 0.2443



70.2101, 0.3323, 0.3020



20.8562, 0.2378, 0.1421



14.2747, 0.3356, 0.2980



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.



29.3952, 0.4099, 0.2443



26.3892, 0.4404, 0.2378



27.1999, 0.5234, 0.3248



17.3783, 0.3211, 0.3166



11.6922, 0.4845, 0.2443



1.1043, 0.4596, 0.2305



# Inverse Universe

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



29.3952, 0.4099, 0.2443



26.3892, 0.4404, 0.2378



75.5284, 0.2373, 0.3354



17.3783, 0.3211, 0.3166



11.6922, 0.4845, 0.2443



1.1043, 0.4596, 0.2305



# Previews

## White Background



This preview shows how the Yxy color 29.3937, 0.4099, 0.2443 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

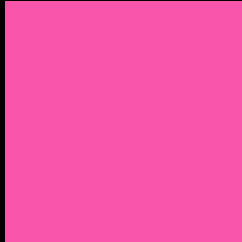
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.3937, 0.4099, 0.2443 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 × Fail

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

**Yxy 29.3937, 0.4099, 0.2443**

## Background



This preview shows how black text looks on a background with the Yxy color 29.3937, 0.4099, 0.2443.



This preview shows how white text looks on a background with the Yxy color 29.3937, 0.4099, 0.2443.

# 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

29.3937, 0.4099, 0.2443

### Protanopia

29.7975, 0.2418, 0.2332

### Deuteranopia

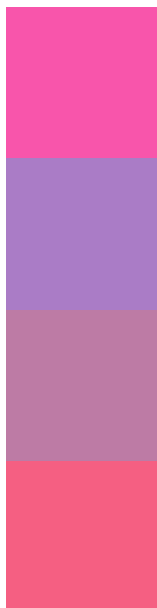
29.5237, 0.3068, 0.3018



## Tritanopia

29.4236, 0.4868, 0.3235

# Trichromacy



## Original Color

29.3937, 0.4099, 0.2443

## Protanomaly

27.0386, 0.2883, 0.2294

## Deuteranomaly

27.7013, 0.3429, 0.2725

## Tritanomaly

29.2086, 0.4609, 0.2941

# Monochromacy



## Original Color

29.3937, 0.4099, 0.2443

## Achromatopsia

27.8894, 0.3127, 0.3290

## Achromatomaly

26.4441, 0.3477, 0.2855

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.3937, 0.4099, 0.2443 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(248, 85, 171)` looks like.

```
.text, #text, p{  
    color:rgb(248, 85, 171)  
}
```

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(248, 85, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 85, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 29.3937, 0.4099, 0.2443 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(248, 85, 171) }
```

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

```
.border{ border-color:rgb(248, 85, 171) }
```

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

Here you see how a box with a 4 pixel rgb(248, 85, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 85, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 85, 171);  
box-shadow:4px 4px 4px 4px rgb(248, 85,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.3937, 0.4099, 0.2443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 85, 171) }
```

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

```
.background{ background-color: rgb(248, 85,  
171) }
```

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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