

# Converting Colors

$Y_{xy}(73.1718, 0.5156, 0.3150)$

Have a look what the booklet for  
Yxy(73.1718, 0.5156, 0.3150)  
contains.

<b>Yxy(39.8929, 0.4210, 0.3034)</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(39.8929, 0.4210, 0.3034)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF839C
RGB	255, 131, 156
RGB Percent	100%, 51%, 61%
CMY	0.0000, 0.4862, 0.3882
CMYK	0.00, 0.49, 0.39, 0.00
HSL	348°, 100%, 76%
HSV	348°, 49%, 100%
XYZ	55.3557, 39.8929, 36.2376
YIQ	170.9260, 65.8790, 34.0630

# Conversions

## Conversions Part 2

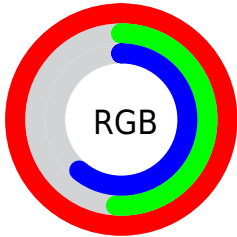
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 131, 156
Decimal	16745372
CIE Lab	69.39, 49.48, 8.63
CIE LCh	69, 50.226, 9.894
Yxy	39.8929, 0.4210, 0.3034
Android (android.graphics.Color)	4294935452 (0xFFFF839C)
YUV	170.9260, -7.3585, 73.7329
Hunter-Lab	63.1608, 45.9103, 10.1958

# Details

The Yxy color **39.8929, 0.4210, 0.3034** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.0551, 0.2594, 0.3583**, and the grayscale version is **40.7005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4538, 0.3511, 0.3054**, and **17.9298, 0.4542, 0.2939** is the 20% darker color. If you saturate the color by 10%, you get **33.2341, 0.4577, 0.2997**, and if you desaturate by 10%, it is **48.3565, 0.3895, 0.3084**.

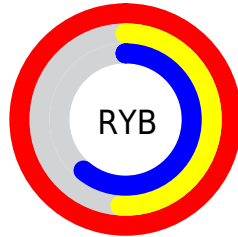
# Distribution



Red (100%)

Green (51%)

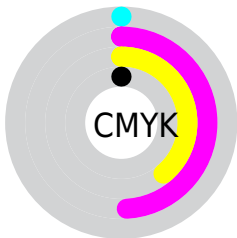
Blue (61%)



Red (100%)

Yellow (51%)

Blue (61%)

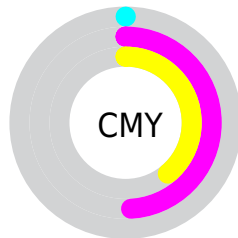


Cyan (0%)

Magenta (49%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8929, 0.4210, 0.3034 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 39.8929, 0.4210, 0.3034 by changing the saturation by 10% instead.




 39.8929, 0.4210,  
0.3034


 39.8929, 0.4210,  
0.3034


345.6720, 0.3652,  
0.3177

 27.4550, 0.4353,  
0.2994


 75.0004, 0.4004,  
0.3089

 17.9153, 0.4539,  
0.2940


 98.4388, 0.3928,  
0.3109

 10.8892, 0.4789,  
0.2864


 126.3129, 0.3863,  
0.3125

 5.9924, 0.5141,  
0.2750

159.0071, 0.3808,  
0.3139

 2.8404, 0.5665,  
0.2566

196.9056, 0.3761,  
0.3151

 1.0490, 0.6592,  
0.2265

240.3930, 0.3720,


 0.0000, 1.0000,


0.3161


0.0000

289.8537, 0.3684,  
0.3169


 0.0000, 0.0000,  
0.0000

 39.8929, 0.4210,  
0.3034


 39.8929, 0.4210,  
0.3034


 33.2341, 0.4577,  
0.2997


 48.3565, 0.3895,  
0.3084

 28.2424, 0.4984,  
0.2981

 58.7373, 0.3634,  
0.3138

 24.7701, 0.5401,  
0.2997

 71.1457, 0.3421,  
0.3194

 22.6403, 0.5781,  
0.3049

 85.6818, 0.3249,  
0.3247

 21.6034, 0.6077,  
0.3130

99.9988, 0.3127,  
0.3290

■ 21.5014, 0.6111,  
0.3140

# Harmonies

## Analogous

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



39.8929, 0.3514, 0.2575



39.8929, 0.4210, 0.3034



39.8929, 0.4575, 0.3571

# Triad

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



39.8929, 0.4210, 0.3034



39.8929, 0.3343, 0.4629



39.8929, 0.1901, 0.2310

# Complementary

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



39.8929, 0.4210, 0.3034



82.0551, 0.2594, 0.3583

# 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.



39.8929, 0.1867, 0.2737



39.8929, 0.4210, 0.3034



39.8929, 0.2648, 0.4204

# Square

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



39.8929, 0.4210, 0.3034



39.8929, 0.4016, 0.4538



39.8929, 0.2120, 0.3439



39.8929, 0.2207, 0.2167



# Rectangle

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



39.8929, 0.4210, 0.3034



39.8929, 0.4563, 0.3936



39.8929, 0.2120, 0.3439



39.8929, 0.1859, 0.2419

# Sweetspot

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



39.8949, 0.4210, 0.3034



76.1638, 0.3354, 0.3213



39.9706, 0.2948, 0.2025



15.6702, 0.3392, 0.3202



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.



39.8949, 0.4210, 0.3034



33.6000, 0.4553, 0.2999



50.2210, 0.4298, 0.3658



18.0469, 0.3262, 0.3242



11.2524, 0.6076, 0.3121



1.1103, 0.5777, 0.2956



# Inverse Universe

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



39.8949, 0.4210, 0.3034



33.6000, 0.4553, 0.2999



63.1614, 0.2406, 0.2869



18.0469, 0.3262, 0.3242



11.2524, 0.6076, 0.3121



1.1103, 0.5777, 0.2956



# Previews

## White Background



This preview shows how the Yxy color 39.8929, 0.4210, 0.3034 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 39.8929, 0.4210, 0.3034 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 39.8929, 0.4210, 0.3034**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.8929, 0.4210, 0.3034.



This preview shows how white text looks on a background with the Yxy color 39.8929, 0.4210, 0.3034.

# 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

39.8929, 0.4210, 0.3034

### Protanopia

40.2082, 0.3078, 0.3180

### Deuteranopia

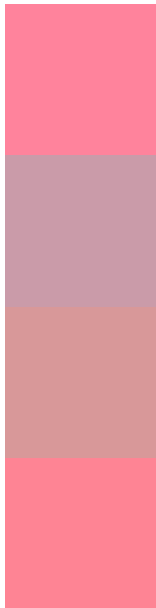
40.1227, 0.3527, 0.3463



## Tritanopia

39.8291, 0.4342, 0.3190

# Trichromacy



**Original Color**

39.8929, 0.4210, 0.3034

**Protanomaly**

38.8638, 0.3463, 0.3113

**Deuteranomaly**

39.3553, 0.3775, 0.3280

**Tritanomaly**

39.7115, 0.4289, 0.3127

# Monochromacy



**Original Color**

39.8929, 0.4210, 0.3034

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

39.0867, 0.3490, 0.3163

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.8929, 0.4210, 0.3034 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(255, 131, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 156)  
}
```

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(255, 131, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8929, 0.4210, 0.3034 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(255, 131, 156) }
```

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

```
.border{ border-color:rgb(255, 131, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 131, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8929, 0.4210, 0.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 156) }
```

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

```
.background{ background-color: rgb(255,  
131, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor