

# Converting Colors

$Yxy(39.9188, 0.4192, 0.3070)$

Have a look what the booklet for  
Yxy(39.9188, 0.4192, 0.3070)  
contains.

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# Color

**Yxy(39.8036, 0.4196, 0.3072)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC859A
RGB	252, 133, 154
RGB Percent	99%, 52%, 60%
CMY	0.0118, 0.4784, 0.3960
CMYK	0.00, 0.47, 0.39, 0.01
HSL	349°, 95%, 75%
HSV	349°, 47%, 99%
XYZ	54.3672, 39.8036, 35.3983
YIQ	170.9750, 64.1830, 31.7590

# Conversions

## Conversions Part 2

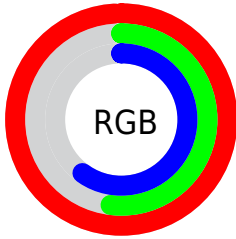
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 133, 154
Decimal	16549274
CIE Lab	69.33, 47.25, 9.60
CIE LCh	69, 48.218, 11.482
Yxy	39.8036, 0.4196, 0.3072
Android (android.graphics.Color)	4294739354 (0xFFFC859A)
YUV	170.9750, -8.3687, 71.0589
Hunter-Lab	63.0901, 43.4126, 10.8969

# Details

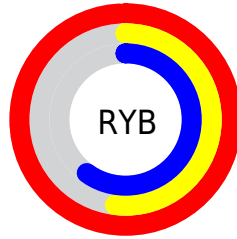
The Yxy color **39.8036, 0.4196, 0.3072** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **80.3777, 0.2592, 0.3536**, and the grayscale version is **40.7319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7805, 0.3526, 0.3085**, and **17.9231, 0.4521, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **33.0805, 0.4569, 0.3038**, and if you desaturate by 10%, it is **48.3052, 0.3878, 0.3116**.

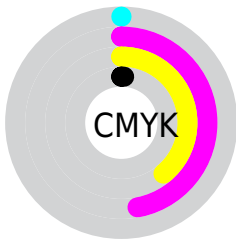
# Distribution



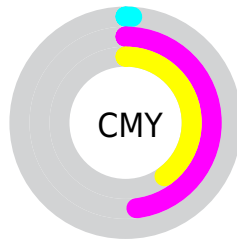
- Red (99%)
- Green (52%)
- Blue (60%)



- Red (99%)
- Yellow (52%)
- Blue (60%)



- Cyan (0%)
- Magenta (47%)
- Yellow (39%)
- Black (1%)




- Cyan (1%)
- Magenta (48%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8036, 0.4196, 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 39.8036, 0.4196, 0.3072 by changing the saturation by 10% instead.





 39.8036, 0.4196,  
0.3072


 39.8036, 0.4196,  
0.3072


345.2951, 0.3644,  
0.3196


 27.3854, 0.4338,  
0.3036


 74.8644, 0.3992,  
0.3121

 17.8629, 0.4522,  
0.2988


 98.2757, 0.3917,  
0.3138

 10.8516, 0.4770,  
0.2918


 126.1203, 0.3853,  
0.3152

 5.9671, 0.5120,  
0.2813

158.7825, 0.3799,  
0.3164

 2.8251, 0.5643,  
0.2639

196.6467, 0.3752,  
0.3174

 1.0411, 0.6607,  
0.2363

240.0972, 0.3712,


 0.0000, 1.0000,

0.3183


0.0000


289.5186, 0.3676,  
0.3190


 0.0000, 0.0000,  
0.0000

 39.8036, 0.4196,  
0.3072


 39.8036, 0.4196,  
0.3072

 33.0805, 0.4569,  
0.3038


 48.3052, 0.3878,  
0.3116


 28.0033, 0.4984,  
0.3023


 58.6933, 0.3616,  
0.3164


 24.4308, 0.5412,  
0.3036

 71.0745, 0.3402,  
0.3212

 22.1951, 0.5803,  
0.3081

 85.5455, 0.3230,  
0.3259

 21.0806, 0.6104,  
0.3153

 99.4359, 0.3109,  
0.3290

■ 20.8816, 0.6170,  
0.3173

# Harmonies

## Analogous

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



39.8036, 0.3540, 0.2620



39.8036, 0.4196, 0.3072



39.8036, 0.4526, 0.3595

# Triad

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



39.8036, 0.4196, 0.3072



39.8036, 0.3303, 0.4563



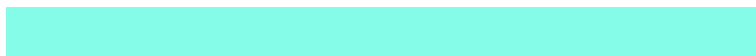
39.8036, 0.1951, 0.2332

# Complementary

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



39.8036, 0.4196, 0.3072



80.3777, 0.2592, 0.3536

# 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.



39.8036, 0.1904, 0.2732



39.8036, 0.4196, 0.3072



39.8036, 0.2636, 0.4130

# Square

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



39.8036, 0.4196, 0.3072



39.8036, 0.3957, 0.4507



39.8036, 0.2136, 0.3395



39.8036, 0.2263, 0.2204



# Rectangle

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



39.8036, 0.4196, 0.3072



39.8036, 0.4501, 0.3947



39.8036, 0.2136, 0.3395



39.8036, 0.1905, 0.2433

# Sweetspot

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



39.8056, 0.4196, 0.3072



77.5491, 0.3343, 0.3228



40.6581, 0.2990, 0.2073



15.9408, 0.3382, 0.3217



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.



39.8056, 0.4196, 0.3072



34.0949, 0.4561, 0.3039



51.3968, 0.4227, 0.3690



17.2753, 0.3266, 0.3248



10.8921, 0.6137, 0.3154



1.0222, 0.5834, 0.2988



# Inverse Universe

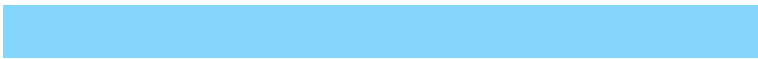
The Inverse Universe completely reimagines the original color for something new.



39.8056, 0.4196, 0.3072



34.0949, 0.4561, 0.3039



60.2701, 0.2416, 0.2834



17.2753, 0.3266, 0.3248



10.8921, 0.6137, 0.3154



1.0222, 0.5834, 0.2988



# Previews

## White Background



This preview shows how the Yxy color 39.8036, 0.4196, 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 39.8036, 0.4196, 0.3072 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

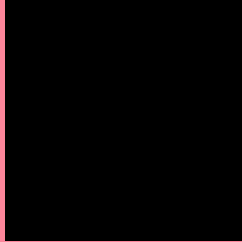
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.8036, 0.4196, 0.3072**

## Background



This preview shows how black text looks on a background with the Yxy color 39.8036, 0.4196, 0.3072.



This preview shows how white text looks on a background with the Yxy color 39.8036, 0.4196, 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

39.8036, 0.4196, 0.3072

### Protanopia

40.2026, 0.3112, 0.3221

### Deuteranopia

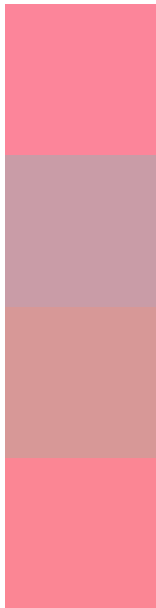
39.8336, 0.3558, 0.3477



## Tritanopia

39.8508, 0.4293, 0.3199

# Trichromacy



## Original Color

39.8036, 0.4196, 0.3072

## Protanomaly

38.9845, 0.3471, 0.3150

## Deuteranomaly

39.1379, 0.3786, 0.3304

## Tritanomaly

39.6975, 0.4251, 0.3146

# Monochromacy



## Original Color

39.8036, 0.4196, 0.3072

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

39.1099, 0.3478, 0.3188

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.8036, 0.4196, 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(252, 133, 154)` looks like.

```
.text, #text, p{  
    color:rgb(252, 133, 154)  
}
```

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(252, 133, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 133, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8036, 0.4196, 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(252, 133, 154) }
```

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

```
.border{ border-color:rgb(252, 133, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 133, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 133, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 133, 154);  
box-shadow:4px 4px 4px 4px rgb(252, 133,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8036, 0.4196, 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(252, 133, 154) }
```

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

```
.background{ background-color: rgb(252,  
133, 154) }
```

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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