

# Converting Colors

$Y_{xy}(38.9280, 0.4026, 0.3092)$

Have a look what the booklet for  
Yxy(38.9280, 0.4026, 0.3092)  
contains.

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# Color

**Yxy(38.9280, 0.4026, 0.3092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF8A9C
RGB	239, 138, 156
RGB Percent	94%, 54%, 61%
CMY	0.0627, 0.4588, 0.3883
CMYK	0.00, 0.42, 0.35, 0.06
HSL	349°, 76%, 74%
HSV	349°, 42%, 94%
XYZ	50.6870, 38.9280, 36.2841
YIQ	170.2510, 54.4180, 27.0100

# Conversions

## Conversions Part 2

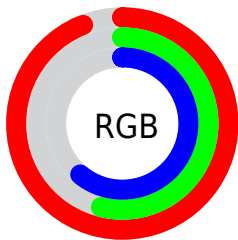
Format	Color
R <sub>Y</sub> B	239, 138, 156
Decimal	15698588
CIE Lab	68.70, 40.39, 7.37
CIE LCh	69, 41.053, 10.347
Yxy	38.9280, 0.4026, 0.3092
Android (android.graphics.Color)	4293888668 (0xFFEF8A9C)
YUV	170.2510, -7.0257, 60.2929
Hunter-Lab	62.3923, 35.8253, 9.1946

# Details

The Yxy color **38.9280, 0.4026, 0.3092** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **72.3655, 0.2637, 0.3508**, and the grayscale version is **40.3460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0531, 0.3500, 0.3116**, and **17.3788, 0.4296, 0.3023** is the 20% darker color. If you saturate the color by 10%, you get **32.1972, 0.4370, 0.3052**, and if you desaturate by 10%, it is **47.2792, 0.3738, 0.3139**.

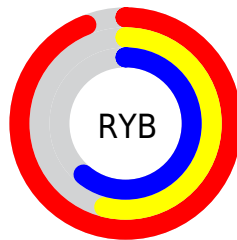
# Distribution



Red (94%)

Green (54%)

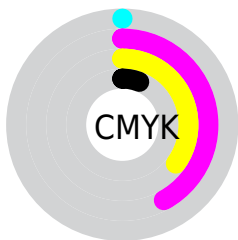
Blue (61%)



Red (94%)

Yellow (54%)

Blue (61%)

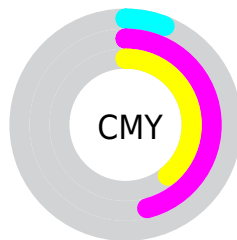


Cyan (0%)

Magenta (42%)

Yellow (35%)

Black (6%)



Cyan (6%)

Magenta (46%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9280, 0.4026, 0.3092 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 38.9280, 0.4026, 0.3092 by changing the saturation by 10% instead.




 38.9280, 0.4026,  
0.3092


 38.9280, 0.4026,  
0.3092


341.5843, 0.3560,  
0.3203


 26.7037, 0.4147,  
0.3061


 73.5283, 0.3853,  
0.3135

 17.3508, 0.4305,  
0.3018


 96.6731, 0.3789,  
0.3150

 10.4849, 0.4518,  
0.2958


 124.2269, 0.3736,  
0.3163

 5.7217, 0.4824,  
0.2867

156.5741, 0.3690,  
0.3173

 2.6766, 0.5290,  
0.2717

194.0990, 0.3651,  
0.3182

 0.9653, 0.6164,  
0.2471

237.1861, 0.3617,


 0.0000, 1.0000,


0.3190


0.0000

286.2197, 0.3587,  
0.3197


 0.0000, 0.0000,  
0.0000

 38.9280, 0.4026,  
0.3092


 38.9280, 0.4026,  
0.3092


 32.1972, 0.4370,  
0.3052


 47.2792, 0.3738,  
0.3139


 26.9757, 0.4764,  
0.3026

 57.3408, 0.3502,  
0.3188


 23.1479, 0.5188,  
0.3023

 69.2031, 0.3311,  
0.3235

 20.5783, 0.5604,  
0.3051

 82.9482, 0.3158,  
0.3280

 19.1044, 0.5957,  
0.3111

 97.0423, 0.3034,  
0.3297

■ 18.5237, 0.6162,  
0.3168

■ 97.0927, 0.3029,  
0.3290

# Harmonies

## Analogous

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



38.9280, 0.3462, 0.2693



38.9280, 0.4026, 0.3092



38.9280, 0.4325, 0.3556

# Triad

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



38.9280, 0.4026, 0.3092



38.9280, 0.3314, 0.4375



38.9280, 0.2091, 0.2469

# Complementary

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



38.9280, 0.4026, 0.3092



72.3655, 0.2637, 0.3508

# 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.



38.9280, 0.2061, 0.2837



38.9280, 0.4026, 0.3092



38.9280, 0.2731, 0.4020

# Square

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



38.9280, 0.4026, 0.3092



38.9280, 0.3876, 0.4336



38.9280, 0.2281, 0.3412



38.9280, 0.2361, 0.2340



# Rectangle

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



38.9280, 0.4026, 0.3092



38.9280, 0.4320, 0.3864



38.9280, 0.2281, 0.3412



38.9280, 0.2054, 0.2565

# Sweetspot

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



38.9299, 0.4026, 0.3092



79.0104, 0.3325, 0.3232



39.7031, 0.3010, 0.2200



16.2285, 0.3364, 0.3221



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.



38.9299, 0.4026, 0.3092



38.0556, 0.4330, 0.3056



48.9330, 0.4068, 0.3649



15.8048, 0.3265, 0.3248



10.2490, 0.6130, 0.3150



0.8655, 0.5789, 0.2963



# Inverse Universe

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



38.9299, 0.4026, 0.3092



38.0556, 0.4330, 0.3056



56.2740, 0.2486, 0.2891



15.8048, 0.3265, 0.3248



10.2490, 0.6130, 0.3150



0.8655, 0.5789, 0.2963



# Previews

## White Background



This preview shows how the Yxy color 38.9280, 0.4026, 0.3092 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

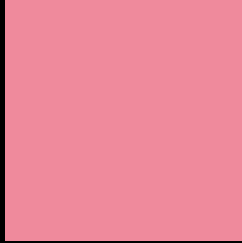
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.9280, 0.4026, 0.3092 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 38.9280, 0.4026, 0.3092**

## Background



This preview shows how black text looks on a background with the Yxy color 38.9280, 0.4026, 0.3092.



This preview shows how white text looks on a background with the Yxy color 38.9280, 0.4026, 0.3092.

# 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

38.9280, 0.4026, 0.3092

### Protanopia

39.1620, 0.3112, 0.3221

### Deuteranopia

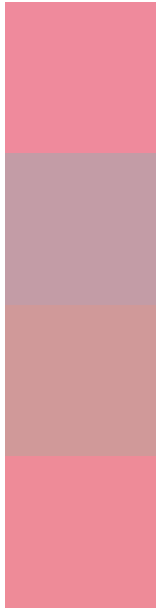
39.0548, 0.3493, 0.3425



## Tritanopia

38.8123, 0.4091, 0.3181

# Trichromacy



**Original Color**

38.9280, 0.4026, 0.3092

**Protanomaly**

38.1322, 0.3421, 0.3160

**Deuteranomaly**

38.4923, 0.3690, 0.3292

**Tritanomaly**

38.9094, 0.4057, 0.3147

# Monochromacy



**Original Color**

38.9280, 0.4026, 0.3092

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

38.7724, 0.3426, 0.3199

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.9280, 0.4026, 0.3092 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(239, 138, 156)` looks like.

```
.text, #text, p{  
    color:rgb(239, 138, 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(239, 138, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 138, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 38.9280, 0.4026, 0.3092 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(239, 138, 156) }
```

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

```
.border{ border-color:rgb(239, 138, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 138, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 138, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 138, 156);  
box-shadow:4px 4px 4px 4px rgb(239, 138,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.9280, 0.4026, 0.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 138, 156) }
```

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

```
.background{ background-color: rgb(239,  
138, 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](#).

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