

# Converting Colors

Yxy(38.3124, 0.3798, 0.2912)

Have a look what the booklet for  
Yxy(38.3124, 0.3798, 0.2912)  
contains.

<b>Yxy(38.4409, 0.3797, 0.2917)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(38.4409, 0.3797, 0.2917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E98AAB
RGB	233, 138, 171
RGB Percent	91%, 54%, 67%
CMY	0.0863, 0.4587, 0.3295
CMYK	0.00, 0.41, 0.27, 0.09
HSL	339°, 68%, 73%
HSV	339°, 41%, 91%
XYZ	50.0377, 38.4409, 43.3037
YIQ	170.1670, 46.0270, 30.4030

# Conversions

## Conversions Part 2

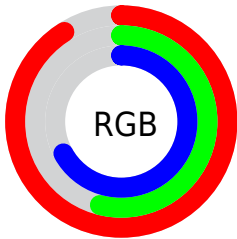
Format	Color
R <sub>Y</sub> B	233, 138, 171
Decimal	15305387
CIE Lab	68.34, 40.18, -1.66
CIE LCh	68, 40.210, 357.637
Yxy	38.4409, 0.3797, 0.2917
Android (android.graphics.Color)	4293495467 (0xFFE98AAB)
YUV	170.1670, 0.4107, 55.1045
Hunter-Lab	62.0007, 35.5573, 1.9901

# Details

The Yxy color **38.4409, 0.3797, 0.2917** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **67.8429, 0.2735, 0.3707**, and the grayscale version is **40.2682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8909, 0.3373, 0.2956**, and **17.1014, 0.3996, 0.2808** is the 20% darker color. If you saturate the color by 10%, you get **31.9112, 0.4053, 0.2832**, and if you desaturate by 10%, it is **46.4749, 0.3581, 0.3010**.

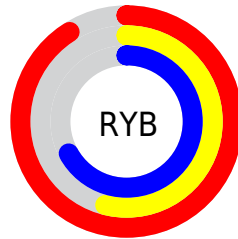
# Distribution



Red (91%)

Green (54%)

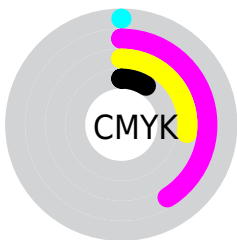
Blue (67%)



Red (91%)

Yellow (54%)

Blue (67%)

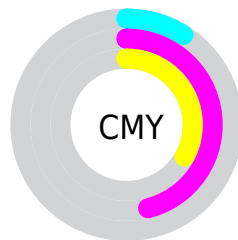


Cyan (0%)

Magenta (41%)

Yellow (27%)

Black (9%)



Cyan (9%)

Magenta (46%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4409, 0.3797, 0.2917 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 38.4409, 0.3797, 0.2917 by changing the saturation by 10% instead.





 38.4409, 0.3797,  
0.2917


 38.4409, 0.3797,  
0.2917


339.5076, 0.3453,  
0.3107


 26.3251, 0.3886,  
0.2868


 72.7834, 0.3670,  
0.2987

 17.0670, 0.4001,  
0.2805


 95.7789, 0.3623,  
0.3013

 10.2823, 0.4157,  
0.2720


 123.1697, 0.3583,  
0.3035

 5.5865, 0.4380,  
0.2600

155.3402, 0.3549,  
0.3054

 2.5953, 0.4723,  
0.2418

192.6749, 0.3520,  
0.3070

 0.9243, 0.5307,  
0.2111

235.5581, 0.3495,


 0.0000, 1.0000,


0.3084


0.0000


284.3742, 0.3473,  
0.3096


 0.0000, 0.0000,  
0.0000

 38.4409, 0.3797,  
0.2917


 38.4409, 0.3797,  
0.2917


 31.9112, 0.4053,  
0.2832


 46.4749, 0.3581,  
0.3010

 26.7854, 0.4349,  
0.2764


 56.0940, 0.3402,  
0.3105


 22.9597, 0.4677,  
0.2726

 67.3800, 0.3255,  
0.3197

 20.3131, 0.5020,  
0.2730

 80.4073, 0.3135,  
0.3284

 18.7015, 0.5351,  
0.2784

 95.2458, 0.3037,  
0.3364

■ 17.9128, 0.5625,  
0.2872

■ 96.0605, 0.2993,  
0.3290

# Harmonies

## Analogous

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



38.4409, 0.3194, 0.2571



38.4409, 0.3797, 0.2917



38.4409, 0.4223, 0.3356

# Triad

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



38.4409, 0.3797, 0.2917



38.4409, 0.3559, 0.4386



38.4409, 0.2064, 0.2607

# Complementary

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



38.4409, 0.3797, 0.2917



67.8429, 0.2735, 0.3707

# 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.



38.4409, 0.2139, 0.3066



38.4409, 0.3797, 0.2917



38.4409, 0.2974, 0.4199

# Square

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



38.4409, 0.3797, 0.2917



38.4409, 0.4055, 0.4208



38.4409, 0.2458, 0.3675



38.4409, 0.2232, 0.2380



# Rectangle

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



38.4409, 0.3797, 0.2917



38.4409, 0.4323, 0.3666



38.4409, 0.2458, 0.3675



38.4409, 0.2061, 0.2736

# Sweetspot

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



38.4428, 0.3797, 0.2917



80.7861, 0.3273, 0.3185



36.3088, 0.2874, 0.2195



16.8844, 0.3291, 0.3173



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.



38.4428, 0.3797, 0.2917



40.2723, 0.4012, 0.2844



41.6982, 0.4099, 0.3456



15.1404, 0.3238, 0.3208



10.1871, 0.5584, 0.2850



0.8175, 0.5198, 0.2637



# Inverse Universe

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



38.4428, 0.3797, 0.2917



40.2723, 0.4012, 0.2844



61.8129, 0.2540, 0.3112



15.1404, 0.3238, 0.3208



10.1871, 0.5584, 0.2850



0.8175, 0.5198, 0.2637



# Previews

## White Background



This preview shows how the Yxy color 38.4409, 0.3797, 0.2917 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

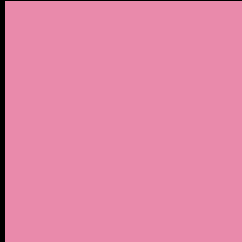
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.4409, 0.3797, 0.2917 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

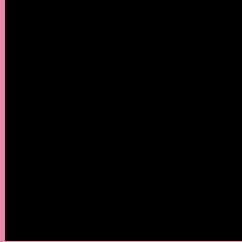
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.4409, 0.3797, 0.2917**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.4409, 0.3797, 0.2917.



This preview shows how white text looks on a background with the Yxy color 38.4409, 0.3797, 0.2917.

# 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

38.4409, 0.3797, 0.2917

### Protanopia

38.7958, 0.2928, 0.2987

### Deuteranopia

38.6980, 0.3283, 0.3223



## Tritanopia

38.3057, 0.3979, 0.3165

# Trichromacy



## Original Color

38.4409, 0.3797, 0.2917

## Protanomaly

37.9731, 0.3210, 0.2951

## Deuteranomaly

38.0271, 0.3467, 0.3099

## Tritanomaly

38.4152, 0.3914, 0.3074

# Monochromacy



## Original Color

38.4409, 0.3797, 0.2917

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

38.6935, 0.3359, 0.3134

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.4409, 0.3797, 0.2917 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(233, 138, 171)` looks like.

```
.text, #text, p{  
    color:rgb(233, 138, 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(233, 138, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 138, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 38.4409, 0.3797, 0.2917 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(233, 138, 171) }
```

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

```
.border{ border-color:rgb(233, 138, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 138, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 138, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 138, 171);  
box-shadow:4px 4px 4px 4px rgb(233, 138,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.4409, 0.3797, 0.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 138, 171) }
```

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

```
.background{ background-color: rgb(233,  
138, 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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