

# Converting Colors

$Y_{xy}(37.6791, 0.3976, 0.3053)$

Have a look what the booklet for  
Yxy(37.6791, 0.3976, 0.3053)  
contains.

<b>Yxy(37.7048, 0.3982, 0.3054)</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(37.7048, 0.3982, 0.3054)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB889D
RGB	235, 136, 157
RGB Percent	92%, 53%, 62%
CMY	0.0783, 0.4667, 0.3842
CMYK	0.00, 0.42, 0.33, 0.08
HSL	347°, 71%, 73%
HSV	347°, 42%, 92%
XYZ	49.1619, 37.7048, 36.5937
YIQ	167.9950, 52.2630, 27.5190

# Conversions

## Conversions Part 2

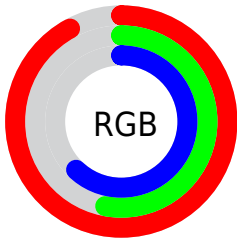
Format	Color
R <sub>Y</sub> B	235, 136, 157
Decimal	15435933
CIE Lab	67.80, 40.14, 5.43
CIE LCh	68, 40.508, 7.710
Yxy	37.7048, 0.3982, 0.3054
Android (android.graphics.Color)	4293626013 (0xFFEB889D)
YUV	167.9950, -5.4205, 58.7634
Hunter-Lab	61.4042, 35.4546, 7.6493

# Details

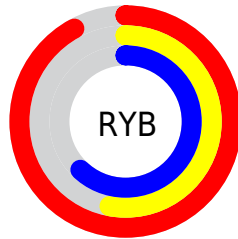
The Yxy color **37.7048, 0.3982, 0.3054** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **69.5269, 0.2656, 0.3550**, and the grayscale version is **39.1637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2248, 0.3496, 0.3085**, and **16.7284, 0.4251, 0.2975** is the 20% darker color. If you saturate the color by 10%, you get **31.2124, 0.4308, 0.3005**, and if you desaturate by 10%, it is **45.7481, 0.3709, 0.3110**.

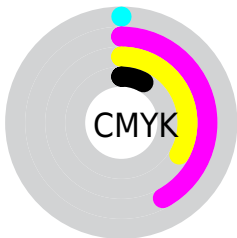
# Distribution



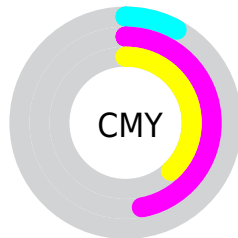
- Red (92%)
- Green (53%)
- Blue (62%)



- Red (92%)
- Yellow (53%)
- Blue (62%)



- Cyan (0%)
- Magenta (42%)
- Yellow (33%)
- Black (8%)




- Cyan (8%)
- Magenta (47%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7048, 0.3982, 0.3054 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 37.7048, 0.3982, 0.3054 by changing the saturation by 10% instead.




 37.7048, 0.3982,  
0.3054


 37.7048, 0.3982,  
0.3054

336.3519, 0.3538,  
0.3182

 25.7537, 0.4098,  
0.3019


 71.6554, 0.3817,  
0.3103

 16.6394, 0.4250,  
0.2971


 94.4237, 0.3756,  
0.3121

 9.9778, 0.4457,  
0.2905


 121.5665, 0.3705,  
0.3136

 5.3842, 0.4754,  
0.2805

153.4682, 0.3661,  
0.3148

 2.4744, 0.5212,  
0.2643

190.5132, 0.3624,  
0.3158

 0.8638, 0.6082,  
0.2376

233.0859, 0.3591,


 0.0000, 1.0000,


0.3168

0.0000

281.5707, 0.3563,  
0.3175


 0.0000, 0.0000,  
0.0000


 37.7048, 0.3982,  
0.3054


 37.7048, 0.3982,  
0.3054


 31.2124, 0.4308,  
0.3005


 45.7481, 0.3709,  
0.3110

 26.1650, 0.4683,  
0.2972


 55.4280, 0.3484,  
0.3169


 22.4526, 0.5091,  
0.2964


 66.8304, 0.3302,  
0.3225


 19.9464, 0.5496,  
0.2990

 80.0336, 0.3155,  
0.3279

 18.4920, 0.5852,  
0.3054

 95.1113, 0.3036,  
0.3329

 17.8985, 0.6074,  
0.3120

 96.4089, 0.3006,  
0.3290

# Harmonies

## Analogous

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



37.7048, 0.3406, 0.2665



37.7048, 0.3982, 0.3054



37.7048, 0.4310, 0.3514

# Triad

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



37.7048, 0.3982, 0.3054



37.7048, 0.3367, 0.4384



37.7048, 0.2081, 0.2494

# Complementary

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



37.7048, 0.3982, 0.3054



69.5269, 0.2656, 0.3550

# 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.



37.7048, 0.2073, 0.2882



37.7048, 0.3982, 0.3054



37.7048, 0.2780, 0.4063

# Square

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



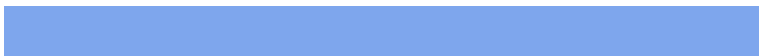
37.7048, 0.3982, 0.3054



37.7048, 0.3918, 0.4313



37.7048, 0.2315, 0.3468



37.7048, 0.2330, 0.2344



# Rectangle

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



37.7048, 0.3982, 0.3054



37.7048, 0.4327, 0.3824



37.7048, 0.2315, 0.3468



37.7048, 0.2051, 0.2597

# Sweetspot

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



37.7067, 0.3982, 0.3054



79.0740, 0.3317, 0.3220



37.8357, 0.2981, 0.2194



16.2440, 0.3355, 0.3208



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.



37.7067, 0.3982, 0.3054



38.2004, 0.4276, 0.3009



46.0137, 0.4080, 0.3611



15.1064, 0.3259, 0.3240



9.9727, 0.6038, 0.3100



0.7969, 0.5659, 0.2891



# Inverse Universe

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



37.7067, 0.3982, 0.3054



38.2004, 0.4276, 0.3009



55.8455, 0.2495, 0.2936



15.1064, 0.3259, 0.3240



9.9727, 0.6038, 0.3100

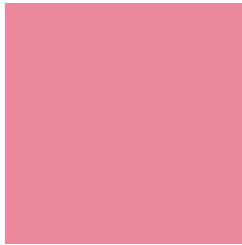


0.7969, 0.5659, 0.2891



# Previews

## White Background



This preview shows how the Yxy color 37.7048, 0.3982, 0.3054 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 37.7048, 0.3982, 0.3054 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

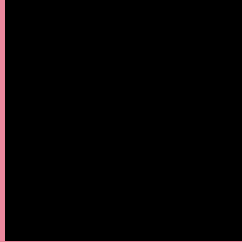
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.7048, 0.3982, 0.3054**

## Background



This preview shows how black text looks on a background with the Yxy color 37.7048, 0.3982, 0.3054.



This preview shows how white text looks on a background with the Yxy color 37.7048, 0.3982, 0.3054.

# 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

37.7048, 0.3982, 0.3054

### Protanopia

38.0344, 0.3068, 0.3177

### Deuteranopia

37.8806, 0.3448, 0.3386



## Tritanopia

37.8075, 0.4066, 0.3179

# Trichromacy



**Original Color**

37.7048, 0.3982, 0.3054

**Protanomaly**

36.9776, 0.3375, 0.3118

**Deuteranomaly**

37.3037, 0.3645, 0.3253

**Tritanomaly**

37.6181, 0.4036, 0.3133

# Monochromacy



**Original Color**

37.7048, 0.3982, 0.3054

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

37.6637, 0.3410, 0.3185

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.7048, 0.3982, 0.3054 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(235, 136, 157)` looks like.

```
.text, #text, p{  
    color:rgb(235, 136, 157)  
}
```

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(235, 136, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 136, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 37.7048, 0.3982, 0.3054 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(235, 136, 157) }
```

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

```
.border{ border-color:rgb(235, 136, 157) }
```

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

Here you see how a box with a 4 pixel rgb(235, 136, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 136, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 136, 157);  
box-shadow:4px 4px 4px 4px rgb(235, 136,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.7048, 0.3982, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 136, 157) }
```

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

```
.background{ background-color: rgb(235,  
136, 157) }
```

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