

# Converting Colors

$Yxy(37.4877, 0.4131, 0.3170)$

Have a look what the booklet for  
Yxy(37.4877, 0.4131, 0.3170)  
contains.

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# Color

**Yxy(37.4078, 0.4133, 0.3169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED8792
RGB	237, 135, 146
RGB Percent	93%, 53%, 57%
CMY	0.0704, 0.4707, 0.4274
CMYK	0.00, 0.43, 0.38, 0.07
HSL	354°, 74%, 73%
HSV	354°, 43%, 93%
XYZ	48.7871, 37.4078, 31.8480
YIQ	166.7520, 57.2610, 25.0450

# Conversions

## Conversions Part 2

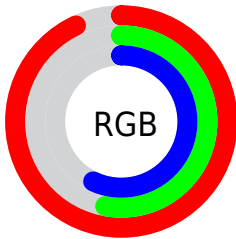
Format	Color
R <sub>Y</sub> B	237, 135, 146
Decimal	15566738
CIE Lab	67.58, 40.07, 11.35
CIE LCh	68, 41.646, 15.809
Yxy	37.4078, 0.4133, 0.3169
Android (android.graphics.Color)	4293756818 (0xFFED8792)
YUV	166.7520, -10.2307, 61.6075
Hunter-Lab	61.1619, 35.3511, 11.9401

# Details

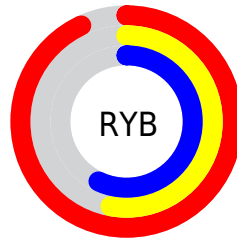
The Yxy color **37.4078, 0.4133, 0.3169** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **71.2304, 0.2595, 0.3423**, and the grayscale version is **38.5468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2570, 0.3588, 0.3188**, and **16.4960, 0.4440, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **30.9181, 0.4513, 0.3147**, and if you desaturate by 10%, it is **45.4951, 0.3813, 0.3197**.

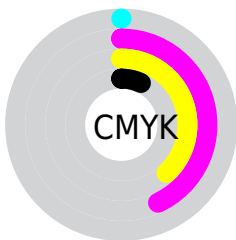
# Distribution



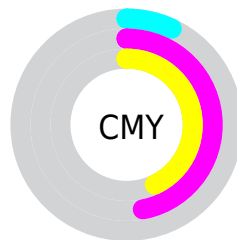
- Red (93%)
- Green (53%)
- Blue (57%)



- Red (93%)
- Yellow (53%)
- Blue (57%)



- Cyan (0%)
- Magenta (43%)
- Yellow (38%)
- Black (7%)




- Cyan (7%)
- Magenta (47%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4078, 0.4133, 0.3169 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 37.4078, 0.4133, 0.3169 by changing the saturation by 10% instead.




 37.4078, 0.4133,  
0.3169


 37.4078, 0.4133,  
0.3169


335.0727, 0.3607,  
0.3246


 25.5234, 0.4271,  
0.3144


 71.1995, 0.3937,  
0.3201

 16.4674, 0.4451,  
0.3110


 93.8757, 0.3865,  
0.3212

 9.8555, 0.4696,  
0.3057


 120.9178, 0.3805,  
0.3220

 5.3033, 0.5047,  
0.2973

152.7104, 0.3753,  
0.3227

 2.4263, 0.5582,  
0.2821

189.6377, 0.3709,  
0.3233

 0.8394, 0.6927,  
0.2687

232.0843, 0.3671,

 0.0000, 1.0000,

0.3238

0.0000

280.4345, 0.3637,  
0.3242

0.0000, 0.0000,  
0.0000

37.4078, 0.4133,  
0.3169

37.4078, 0.4133,  
0.3169

30.9181, 0.4513,  
0.3147

45.4951, 0.3813,  
0.3197

25.9147, 0.4945,  
0.3135

55.2703, 0.3552,  
0.3226

22.2813, 0.5398,  
0.3139

66.8238, 0.3341,  
0.3255

19.8815, 0.5819,  
0.3165

80.2375, 0.3172,  
0.3282

18.5506, 0.6144,  
0.3209

95.5888, 0.3036,  
0.3307

 18.0837, 0.6294,  
0.3241

 96.7508, 0.3018,  
0.3290

# Harmonies

## Analogous

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



37.4078, 0.3587, 0.2744



37.4078, 0.4133, 0.3169



37.4078, 0.4374, 0.3647

# Triad

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



37.4078, 0.4133, 0.3169



37.4078, 0.3205, 0.4371



37.4078, 0.2098, 0.2406

# Complementary

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



37.4078, 0.4133, 0.3169



71.2304, 0.2595, 0.3423

# 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.



37.4078, 0.2022, 0.2736



37.4078, 0.4133, 0.3169



37.4078, 0.2621, 0.3939

# Square

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



37.4078, 0.4133, 0.3169



37.4078, 0.3799, 0.4399



37.4078, 0.2199, 0.3296



37.4078, 0.2417, 0.2317



# Rectangle

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



37.4078, 0.4133, 0.3169



37.4078, 0.4322, 0.3958



37.4078, 0.2199, 0.3296



37.4078, 0.2045, 0.2488

# Sweetspot

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



37.4097, 0.4133, 0.3169



78.8828, 0.3341, 0.3255



39.4682, 0.3069, 0.2200



16.1975, 0.3384, 0.3249



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.



37.4097, 0.4133, 0.3169



37.0759, 0.4479, 0.3148



50.0717, 0.4057, 0.3730



15.0805, 0.3276, 0.3265



9.8788, 0.6270, 0.3228



0.7846, 0.5995, 0.3076



# Inverse Universe

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



37.4097, 0.4133, 0.3169



37.0759, 0.4479, 0.3148



51.6158, 0.2460, 0.2793



15.0805, 0.3276, 0.3265



9.8788, 0.6270, 0.3228



0.7846, 0.5995, 0.3076



# Previews

## White Background



This preview shows how the Yxy color 37.4078, 0.4133, 0.3169 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 37.4078, 0.4133, 0.3169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

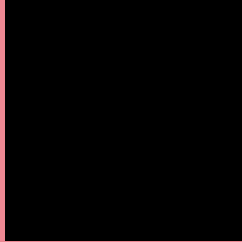
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.4078, 0.4133, 0.3169**

## Background



This preview shows how black text looks on a background with the Yxy color 37.4078, 0.4133, 0.3169.



This preview shows how white text looks on a background with the Yxy color 37.4078, 0.4133, 0.3169.

# 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

37.4078, 0.4133, 0.3169

### Protanopia

37.5946, 0.3192, 0.3319

### Deuteranopia

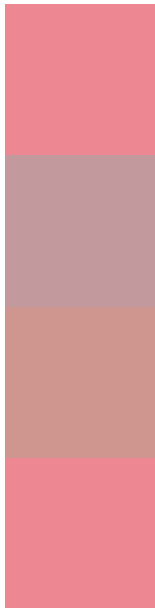
37.5681, 0.3588, 0.3522



## Tritanopia

37.3768, 0.4144, 0.3181

# Trichromacy



## Original Color

37.4078, 0.4133, 0.3169

## Protanomaly

36.6521, 0.3516, 0.3251

## Deuteranomaly

36.9177, 0.3785, 0.3382

## Tritanomaly

37.3768, 0.4144, 0.3181

# Monochromacy



## Original Color

37.4078, 0.4133, 0.3169

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

37.1524, 0.3461, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.4078, 0.4133, 0.3169 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(237, 135, 146)` looks like.

```
.text, #text, p{  
    color:rgb(237, 135, 146)  
}
```

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(237, 135, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 135, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 37.4078, 0.4133, 0.3169 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(237, 135, 146) }
```

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

```
.border{ border-color:rgb(237, 135, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 135, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 135, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 135, 146);  
box-shadow:4px 4px 4px 4px rgb(237, 135,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.4078, 0.4133, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 135, 146) }
```

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

```
.background{ background-color: rgb(237,  
135, 146) }
```

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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