

# Converting Colors

$Y_{xy}(37.3888, 0.4279, 0.3185)$

Have a look what the booklet for  
Yxy(37.3888, 0.4279, 0.3185)  
contains.

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# Color

**Yxy(37.3888, 0.4279, 0.3185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4838D
RGB	244, 131, 141
RGB Percent	96%, 51%, 55%
CMY	0.0432, 0.4862, 0.4470
CMYK	0.00, 0.46, 0.42, 0.04
HSL	355°, 84%, 74%
HSV	355°, 46%, 96%
XYZ	50.2313, 37.3888, 29.7702
YIQ	165.9270, 64.1380, 27.0660

# Conversions

## Conversions Part 2

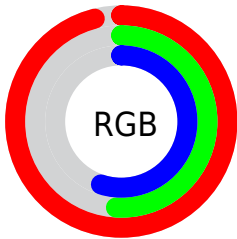
Format	Color
<a href="#">RYB</a>	<a href="#">244, 131, 141</a>
Decimal	<a href="#">16024461</a>
CIELab	<a href="#">67.57, 44.04, 14.27</a>
CIElCh	<a href="#">68, 46.298, 17.957</a>
Yxy	<a href="#">37.3888, 0.4279, 0.3185</a>
Android (android.graphics.Color)	<a href="#">4294214541</a> ( <a href="#">0xFFFF4838D</a> )
YUV	<a href="#">165.9270, -12.2890, 68.4700</a>
Hunter-Lab	<a href="#">61.1464, 39.6302, 13.9361</a>

# Details

The Yxy color **37.3888, 0.4279, 0.3185** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **75.4651, 0.2554, 0.3408**, and the grayscale version is **38.1351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3179, 0.3640, 0.3198**, and **16.3945, 0.4639, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **30.9928, 0.4688, 0.3170**, and if you desaturate by 10%, it is **45.4646, 0.3930, 0.3206**.

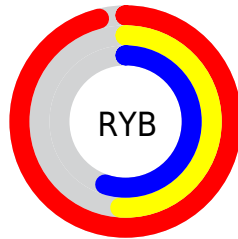
# Distribution



Red (96%)

Green (51%)

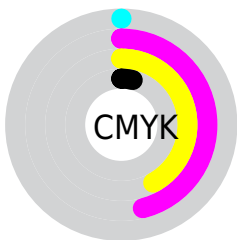
Blue (55%)



Red (96%)

Yellow (51%)

Blue (55%)

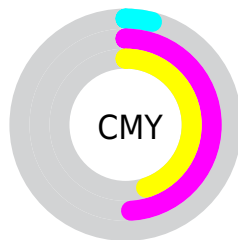


Cyan (0%)

Magenta (46%)

Yellow (42%)

Black (4%)



Cyan (4%)

Magenta (49%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3888, 0.4279, 0.3185 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 37.3888, 0.4279, 0.3185 by changing the saturation by 10% instead.





 37.3888, 0.4279,  
0.3185


 37.3888, 0.4279,  
0.3185


334.9908, 0.3677,  
0.3259

 25.5087, 0.4436,  
0.3159


 71.1704, 0.4055,  
0.3217

 16.4564, 0.4641,  
0.3122


 93.8406, 0.3972,  
0.3227

 9.8477, 0.4918,  
0.3065


 120.8763, 0.3903,  
0.3236

 5.2981, 0.5311,  
0.2970

152.6618, 0.3844,  
0.3242

 2.4232, 0.5901,  
0.2797

189.5817, 0.3794,  
0.3247

 0.8378, 0.7371,  
0.2629

232.0202, 0.3750,


 0.0000, 1.0000,


0.3252


0.0000


280.3617, 0.3711,  
0.3256


 0.0000, 0.0000,  
0.0000


 37.3888, 0.4279,  
0.3185


 37.3888, 0.4279,  
0.3185


 30.9928, 0.4688,  
0.3170


 45.4646, 0.3930,  
0.3206


 26.1529, 0.5140,  
0.3165


 55.3210, 0.3643,  
0.3230


 22.7376, 0.5594,  
0.3176


 67.0578, 0.3411,  
0.3254

 20.5912, 0.5987,  
0.3204

 80.7655, 0.3225,  
0.3276

 19.5206, 0.6256,  
0.3245

 96.5291, 0.3076,  
0.3298

 19.2886, 0.6323,  
0.3257

 97.9722, 0.3060,  
0.3290

# Harmonies

## Analogous

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



37.3888, 0.3686, 0.2718



37.3888, 0.4279, 0.3185



37.3888, 0.4513, 0.3706

# Triad

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



37.3888, 0.4279, 0.3185



37.3888, 0.3155, 0.4485



37.3888, 0.2015, 0.2300

# Complementary

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



37.3888, 0.4279, 0.3185



75.4651, 0.2554, 0.3408

# 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.



37.3888, 0.1912, 0.2635



37.3888, 0.4279, 0.3185



37.3888, 0.2521, 0.3969

# Square

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



37.3888, 0.4279, 0.3185



37.3888, 0.3816, 0.4532



37.3888, 0.2081, 0.3238



37.3888, 0.2378, 0.2226



# Rectangle

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



37.3888, 0.4279, 0.3185



37.3888, 0.4429, 0.4046



37.3888, 0.2081, 0.3238



37.3888, 0.1951, 0.2381

# Sweetspot

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



37.3907, 0.4279, 0.3185



77.3782, 0.3365, 0.3259



40.0392, 0.3078, 0.2127



15.8998, 0.3409, 0.3254



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.



37.3907, 0.4279, 0.3185



34.3689, 0.4681, 0.3170



52.0019, 0.4144, 0.3782



16.5063, 0.3280, 0.3269



10.4967, 0.6303, 0.3246



0.9305, 0.6089, 0.3128



# Inverse Universe

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



37.3907, 0.4279, 0.3185



34.3689, 0.4681, 0.3170



52.1128, 0.2407, 0.2723



16.5063, 0.3280, 0.3269



10.4967, 0.6303, 0.3246



0.9305, 0.6089, 0.3128



# Previews

## White Background



This preview shows how the Yxy color 37.3888, 0.4279, 0.3185 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

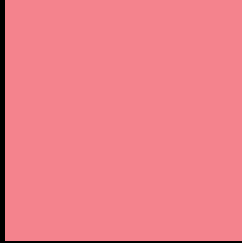
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.3888, 0.4279, 0.3185 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 37.3888, 0.4279, 0.3185**

## Background



This preview shows how black text looks on a background with the Yxy color 37.3888, 0.4279, 0.3185.



This preview shows how white text looks on a background with the Yxy color 37.3888, 0.4279, 0.3185.

# 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

37.3888, 0.4279, 0.3185

### Protanopia

37.4546, 0.3227, 0.3376

### Deuteranopia

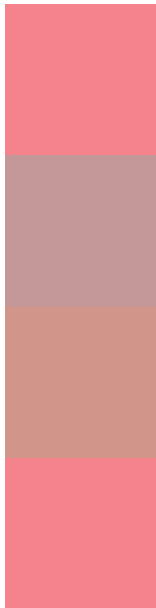
37.6502, 0.3667, 0.3602



## Tritanopia

37.3888, 0.4279, 0.3185

# Trichromacy



**Original Color**

37.3888, 0.4279, 0.3185

**Protanomaly**

36.4592, 0.3580, 0.3291

**Deuteranomaly**

37.0315, 0.3883, 0.3431

**Tritanomaly**

37.3888, 0.4279, 0.3185

# Monochromacy



**Original Color**

37.3888, 0.4279, 0.3185

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

36.6861, 0.3506, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.3888, 0.4279, 0.3185 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(244, 131, 141)` looks like.

```
.text, #text, p{  
    color:rgb(244, 131, 141)  
}
```

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(244, 131, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 131, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 37.3888, 0.4279, 0.3185 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(244, 131, 141) }
```

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

```
.border{ border-color:rgb(244, 131, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 131, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 131, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 131, 141);  
box-shadow:4px 4px 4px 4px rgb(244, 131,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.3888, 0.4279, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 131, 141) }
```

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

```
.background{ background-color: rgb(244,  
131, 141) }
```

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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