

# Converting Colors

$Y_{xy}(37.2266, 0.4209, 0.3195)$

Have a look what the booklet for  
Yxy(37.2266, 0.4209, 0.3195)  
contains.

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# Color

**Yxy(37.0788, 0.4208, 0.3193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF858E
RGB	239, 133, 142
RGB Percent	94%, 52%, 56%
CMY	0.0628, 0.4784, 0.4431
CMYK	0.00, 0.44, 0.41, 0.06
HSL	355°, 77%, 73%
HSV	355°, 44%, 94%
XYZ	48.8655, 37.0788, 30.1810
YIQ	165.7200, 60.2870, 25.2710

# Conversions

## Conversions Part 2

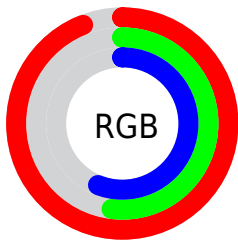
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 133, 142
Decimal	15697294
CIE Lab	67.34, 41.34, 13.28
CIE LCh	67, 43.424, 17.807
Yxy	37.0788, 0.4208, 0.3193
Android (android.graphics.Color)	4293887374 (0xFFEF858E)
YUV	165.7200, -11.6940, 64.2666
Hunter-Lab	60.8924, 36.6828, 13.2379

# Details

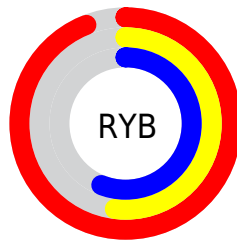
The Yxy color **37.0788, 0.4208, 0.3193** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **72.4268, 0.2571, 0.3397**, and the grayscale version is **38.0289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2120, 0.3626, 0.3208**, and **16.3609, 0.4549, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **30.6700, 0.4607, 0.3177**, and if you desaturate by 10%, it is **45.1088, 0.3871, 0.3214**.

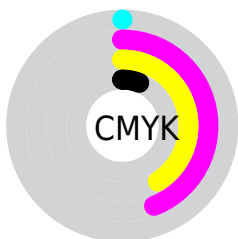
# Distribution



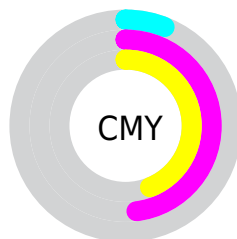
- Red (94%)
- Green (52%)
- Blue (56%)



- Red (94%)
- Yellow (52%)
- Blue (56%)



- Cyan (0%)
- Magenta (44%)
- Yellow (41%)
- Black (6%)




- Cyan (6%)
- Magenta (48%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0788, 0.4208, 0.3193 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 37.0788, 0.4208, 0.3193 by changing the saturation by 10% instead.




 37.0788, 0.4208,  
0.3193


 37.0788, 0.4208,  
0.3193


333.6516, 0.3642,  
0.3260


 25.2685, 0.4356,  
0.3170


 70.6940, 0.3997,  
0.3222

 16.2772, 0.4550,  
0.3136


 93.2676, 0.3919,  
0.3232

 9.7205, 0.4814,  
0.3084


 120.1979, 0.3854,  
0.3239

 5.2141, 0.5189,  
0.2997

151.8691, 0.3799,  
0.3245

 2.3734, 0.5758,  
0.2837

188.6657, 0.3752,  
0.3250

 0.8122, 0.7280,  
0.2720

230.9720, 0.3710,

 0.0000, 1.0000,

0.3254

0.0000

279.1725, 0.3674,  
0.3257

0.0000, 0.0000,  
0.0000

37.0788, 0.4208,  
0.3193

37.0788, 0.4208,  
0.3193

30.6700, 0.4607,  
0.3177

45.1088, 0.3871,  
0.3214

25.7669, 0.5054,  
0.3170

54.8538, 0.3595,  
0.3237

22.2478, 0.5512,  
0.3177

66.4075, 0.3372,  
0.3260

19.9697, 0.5923,  
0.3201

79.8548, 0.3193,  
0.3281

18.7583, 0.6219,  
0.3239

95.2755, 0.3050,  
0.3301

 18.4007, 0.6326,  
0.3259

 97.0890, 0.3029,  
0.3290

# Harmonies

## Analogous

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



37.0788, 0.3651, 0.2747



37.0788, 0.4208, 0.3193



37.0788, 0.4432, 0.3690

# Triad

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



37.0788, 0.4208, 0.3193



37.0788, 0.3162, 0.4408



37.0788, 0.2071, 0.2355

# Complementary

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



37.0788, 0.4208, 0.3193



72.4268, 0.2571, 0.3397

# 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.



37.0788, 0.1975, 0.2678



37.0788, 0.4208, 0.3193



37.0788, 0.2561, 0.3929

# Square

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



37.0788, 0.4208, 0.3193



37.0788, 0.3786, 0.4460



37.0788, 0.2140, 0.3249



37.0788, 0.2417, 0.2281



# Rectangle

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



37.0788, 0.4208, 0.3193



37.0788, 0.4358, 0.4011



37.0788, 0.2140, 0.3249



37.0788, 0.2011, 0.2434

# Sweetspot

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



37.0807, 0.4208, 0.3193



78.8411, 0.3346, 0.3262



39.5676, 0.3082, 0.2174



16.1873, 0.3390, 0.3258



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.



37.0807, 0.4208, 0.3193



36.3049, 0.4558, 0.3178



50.8597, 0.4086, 0.3762



15.7807, 0.3280, 0.3270



10.1773, 0.6306, 0.3248



0.8541, 0.6088, 0.3127



# Inverse Universe

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



37.0807, 0.4208, 0.3193



36.3049, 0.4558, 0.3178



50.9692, 0.2437, 0.2752



15.7807, 0.3280, 0.3270



10.1773, 0.6306, 0.3248



0.8541, 0.6088, 0.3127



# Previews

## White Background



This preview shows how the Yxy color 37.0788, 0.4208, 0.3193 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 37.0788, 0.4208, 0.3193 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 37.0788, 0.4208, 0.3193**

## Background



This preview shows how black text looks on a background with the Yxy color 37.0788, 0.4208, 0.3193.



This preview shows how white text looks on a background with the Yxy color 37.0788, 0.4208, 0.3193.

# 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

37.0788, 0.4208, 0.3193

### Protanopia

37.4546, 0.3227, 0.3376

### Deuteranopia

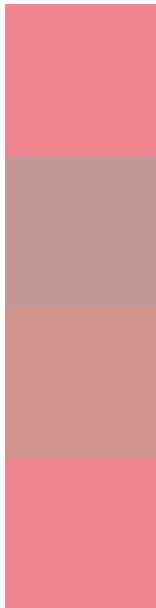
37.2358, 0.3641, 0.3563



## Tritanopia

37.1090, 0.4197, 0.3182

# Trichromacy



## Original Color

37.0788, 0.4208, 0.3193

## Protanomaly

36.5188, 0.3557, 0.3305

## Deuteranomaly

36.7689, 0.3852, 0.3419

## Tritanomaly

37.1090, 0.4197, 0.3182

# Monochromacy



## Original Color

37.0788, 0.4208, 0.3193

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

36.8830, 0.3494, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.0788, 0.4208, 0.3193 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, 133, 142)` looks like.

```
.text, #text, p{  
    color:rgb(239, 133, 142)  
}
```

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, 133, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 133, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 37.0788, 0.4208, 0.3193 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, 133, 142) }
```

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

```
.border{ border-color:rgb(239, 133, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 133, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 133, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 133, 142);  
box-shadow:4px 4px 4px 4px rgb(239, 133,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.0788, 0.4208, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 133, 142) }
```

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

```
.background{ background-color: rgb(239,  
133, 142) }
```

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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