

# Converting Colors

$Y_{xy}(34.5036, 0.4306, 0.3173)$

Have a look what the booklet for  
Yxy(34.5036, 0.4306, 0.3173)  
contains.

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# Color

**Yxy(34.4493, 0.4299, 0.3171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED7D88
RGB	237, 125, 136
RGB Percent	93%, 49%, 53%
CMY	0.0706, 0.5098, 0.4666
CMYK	0.00, 0.47, 0.43, 0.07
HSL	354°, 76%, 71%
HSV	354°, 47%, 93%
XYZ	46.7037, 34.4493, 27.4856
YIQ	159.7420, 63.2210, 27.1650

# Conversions

## Conversions Part 2

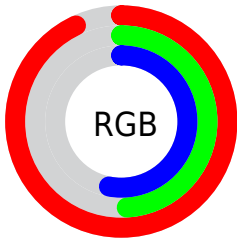
Format	Color
R <sub>Y</sub> B	237, 125, 136
Decimal	15564168
CIE Lab	65.32, 44.05, 13.80
CIE LCh	65, 46.160, 17.400
Yxy	34.4493, 0.4299, 0.3171
Android (android.graphics.Color)	4293754248 (0xFFED7D88)
YUV	159.7420, -11.7048, 67.7553
Hunter-Lab	58.6935, 39.3227, 13.3206

# Details

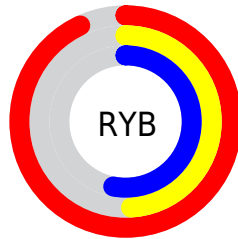
The Yxy color **34.4493, 0.4299, 0.3171** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **70.4199, 0.2551, 0.3424**, and the grayscale version is **35.0634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5766, 0.3707, 0.3198**, and **14.7716, 0.4696, 0.3103** is the 20% darker color. If you saturate the color by 10%, you get **28.6009, 0.4708, 0.3154**, and if you desaturate by 10%, it is **41.8537, 0.3949, 0.3194**.

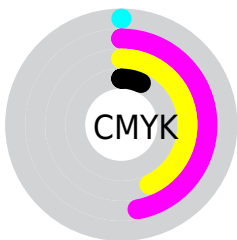
# Distribution



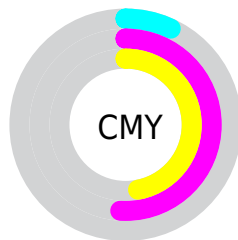
- Red (93%)
- Green (49%)
- Blue (53%)



- Red (93%)
- Yellow (49%)
- Blue (53%)



- Cyan (0%)
- Magenta (47%)
- Yellow (43%)
- Black (7%)



- Cyan (7%)
- Magenta (51%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4493, 0.4299, 0.3171 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 34.4493, 0.4299, 0.3171 by changing the saturation by 10% instead.





 34.4493, 0.4299,  
0.3171

 34.4493, 0.4299,  
0.3171

322.1308, 0.3679,  
0.3253


 23.2390, 0.4464,  
0.3143


 66.6318, 0.4066,  
0.3207

 14.7701, 0.4680,  
0.3101


 88.3727, 0.3981,  
0.3218

 8.6582, 0.4976,  
0.3036


 114.3926, 0.3910,  
0.3227

 4.5189, 0.5401,  
0.2928

145.0759, 0.3849,  
0.3235

 1.9679, 0.6050,  
0.2728

180.8070, 0.3798,  
0.3240

 0.5887, 0.7644,  
0.2356

221.9702, 0.3753,


 0.0000, 1.0000,


0.3245

0.0000


268.9501, 0.3713,  
0.3249


 0.0000, 0.0000,  
0.0000


 34.4493, 0.4299,  
0.3171


 34.4493, 0.4299,  
0.3171

 28.6009, 0.4708,  
0.3154


 41.8537, 0.3949,  
0.3194


 24.1926, 0.5157,  
0.3150


 50.9088, 0.3661,  
0.3221


 21.1008, 0.5606,  
0.3162

 61.7078, 0.3427,  
0.3247

 19.1786, 0.5993,  
0.3194

 74.3357, 0.3240,  
0.3273

 18.2355, 0.6257,  
0.3239

 88.8715, 0.3089,  
0.3296

■ 18.0678, 0.6308,  
0.3249

■ 96.7447, 0.3017,  
0.3290

# Harmonies

## Analogous

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



34.4493, 0.3685, 0.2698



34.4493, 0.4299, 0.3171



34.4493, 0.4546, 0.3702

# Triad

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



34.4493, 0.4299, 0.3171



34.4493, 0.3166, 0.4523



34.4493, 0.1987, 0.2282

# Complementary

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



34.4493, 0.4299, 0.3171



70.4199, 0.2551, 0.3424

# 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.



34.4493, 0.1887, 0.2627



34.4493, 0.4299, 0.3171



34.4493, 0.2517, 0.4000

# Square

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



34.4493, 0.4299, 0.3171



34.4493, 0.3841, 0.4558



34.4493, 0.2064, 0.3248



34.4493, 0.2352, 0.2203



# Rectangle

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



34.4493, 0.4299, 0.3171



34.4493, 0.4464, 0.4050



34.4493, 0.2064, 0.3248



34.4493, 0.1924, 0.2366

# Sweetspot

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



34.4511, 0.4299, 0.3171



77.3972, 0.3363, 0.3255



36.9195, 0.3077, 0.2107



15.9043, 0.3406, 0.3250



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.



34.4511, 0.4299, 0.3171



33.7902, 0.4706, 0.3155



48.1612, 0.4169, 0.3791



15.0781, 0.3277, 0.3267



9.8728, 0.6286, 0.3236



0.7834, 0.6029, 0.3095



# Inverse Universe

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



34.4511, 0.4299, 0.3171



33.7902, 0.4706, 0.3155



48.2631, 0.2394, 0.2710



15.0781, 0.3277, 0.3267



9.8728, 0.6286, 0.3236



0.7834, 0.6029, 0.3095



# Previews

## White Background



This preview shows how the Yxy color 34.4493, 0.4299, 0.3171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

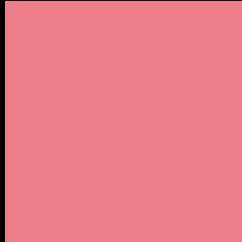
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.4493, 0.4299, 0.3171 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 34.4493, 0.4299, 0.3171**

## Background



This preview shows how black text looks on a background with the Yxy color 34.4493, 0.4299, 0.3171.



This preview shows how white text looks on a background with the Yxy color 34.4493, 0.4299, 0.3171.

# 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

34.4493, 0.4299, 0.3171

### Protanopia

34.5402, 0.3222, 0.3364

### Deuteranopia

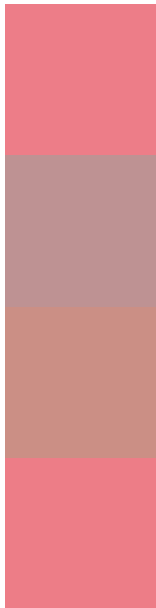
34.6115, 0.3666, 0.3599



## Tritanopia

34.3930, 0.4324, 0.3194

# Trichromacy



## Original Color

34.4493, 0.4299, 0.3171

## Protanomaly

33.6115, 0.3587, 0.3278

## Deuteranomaly

34.0349, 0.3890, 0.3423

## Tritanomaly

34.4210, 0.4311, 0.3182

# Monochromacy



## Original Color

34.4493, 0.4299, 0.3171

## Achromatopsia

35.1533, 0.3127, 0.3290

## Achromatomaly

33.7932, 0.3520, 0.3236

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.4493, 0.4299, 0.3171 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, 125, 136)` looks like.

```
.text, #text, p{  
    color:rgb(237, 125, 136)  
}
```

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, 125, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 125, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 34.4493, 0.4299, 0.3171 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, 125, 136) }
```

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

```
.border{ border-color:rgb(237, 125, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 125, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 125, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 125, 136);  
box-shadow:4px 4px 4px 4px rgb(237, 125,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.4493, 0.4299, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 125, 136) }
```

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

```
.background{ background-color: rgb(237,  
125, 136) }
```

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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