

# Converting Colors

$Y_{xy}(38.2542, 0.4501, 0.3242)$

Have a look what the booklet for  
Yxy(38.2542, 0.4501, 0.3242)  
contains.

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# Color

**Yxy(38.3918, 0.4493, 0.3243)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8085
RGB	255, 128, 133
RGB Percent	100%, 50%, 52%
CMY	0.0001, 0.4980, 0.4784
CMYK	0.00, 0.50, 0.48, 0.00
HSL	358°, 100%, 75%
HSV	358°, 50%, 100%
XYZ	53.1897, 38.3918, 26.8020
YIQ	166.5430, 74.0870, 28.4790

# Conversions

## Conversions Part 2

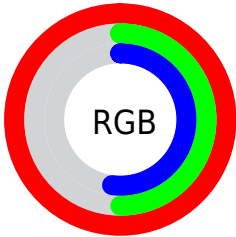
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 128, 133
Decimal	16744581
CIE Lab	68.31, 48.64, 20.02
CIE LCh	68, 52.594, 22.370
Yxy	38.3918, 0.4493, 0.3243
Android (android.graphics.Color)	4294934661 (0xFFFF8085)
YUV	166.5430, -16.5367, 77.5768
Hunter-Lab	61.9611, 44.7991, 17.7262

# Details

The Yxy color **38.3918, 0.4493, 0.3243** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.0028, 0.2495, 0.3345**, and the grayscale version is **38.4675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6721, 0.3725, 0.3260**, and **17.0070, 0.4907, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **31.9560, 0.4944, 0.3239**, and if you desaturate by 10%, it is **46.6605, 0.4099, 0.3251**.

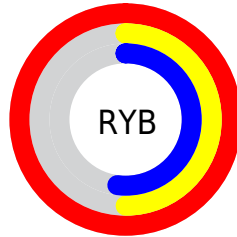
# Distribution



Red (100%)

Green (50%)

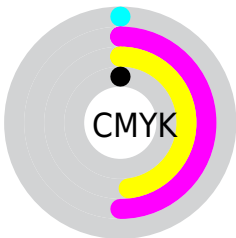
Blue (52%)



Red (100%)

Yellow (50%)

Blue (52%)

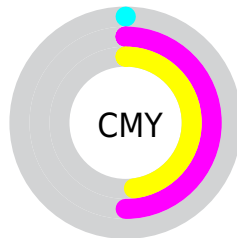


Cyan (0%)

Magenta (50%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (50%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3918, 0.4493, 0.3243 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 38.3918, 0.4493, 0.3243 by changing the saturation by 10% instead.





 38.3918, 0.4493,  
0.3243


 38.3918, 0.4493,  
0.3243


339.2977, 0.3783,  
0.3297


 26.2869, 0.4676,  
0.3219


 72.7083, 0.4230,  
0.3270

 17.0384, 0.4912,  
0.3182

 95.6886, 0.4133,  
0.3278

 10.2619, 0.5227,  
0.3121


 123.0630, 0.4051,  
0.3284

 5.5729, 0.5663,  
0.3017

155.2156, 0.3981,  
0.3289

 2.5872, 0.6296,  
0.2823

192.5311, 0.3921,  
0.3292

 0.9202, 0.7490,  
0.2510

235.3936, 0.3869,


 0.0000, 1.0000,

0.3294

0.0000


284.1877, 0.3823,  
0.3296

 0.0000, 0.0000,  
0.0000


 38.3918, 0.4493,  
0.3243


 38.3918, 0.4493,  
0.3243


 31.9560, 0.4944,  
0.3239


 46.6605, 0.4099,  
0.3251


 27.2082, 0.5419,  
0.3241


 56.8806, 0.3772,  
0.3261

 23.9920, 0.5860,  
0.3251


 69.1675, 0.3506,  
0.3271

 22.1186, 0.6192,  
0.3268

 83.6261, 0.3294,  
0.3281

 21.2918, 0.6371,  
0.3284

99.9973, 0.3127,  
0.3290

 21.2793, 0.6373,  
0.3284

# Harmonies

## Analogous

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



38.3918, 0.3867, 0.2722



38.3918, 0.4493, 0.3243



38.3918, 0.4676, 0.3816

# Triad

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



38.3918, 0.4493, 0.3243



38.3918, 0.3034, 0.4599



38.3918, 0.1938, 0.2161

# Complementary

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



38.3918, 0.4493, 0.3243



83.0028, 0.2495, 0.3345

# 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.



38.3918, 0.1783, 0.2476



38.3918, 0.4493, 0.3243



38.3918, 0.2355, 0.3942

# Square

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



38.3918, 0.4493, 0.3243



38.3918, 0.3778, 0.4711



38.3918, 0.1918, 0.3105



38.3918, 0.2373, 0.2126



# Rectangle

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



38.3918, 0.4493, 0.3243



38.3918, 0.4528, 0.4189



38.3918, 0.1918, 0.3105



38.3918, 0.1855, 0.2233

# Sweetspot

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



38.3938, 0.4493, 0.3243



75.8323, 0.3398, 0.3276



42.7349, 0.3128, 0.2066



15.5915, 0.3445, 0.3274



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.



38.3938, 0.4493, 0.3243



31.8459, 0.4953, 0.3239



57.5781, 0.4214, 0.3882



17.9987, 0.3288, 0.3281



11.1253, 0.6361, 0.3278



1.0871, 0.6267, 0.3226



# Inverse Universe

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



38.3938, 0.4493, 0.3243



31.8459, 0.4953, 0.3239



52.1290, 0.2339, 0.2588



17.9987, 0.3288, 0.3281



11.1253, 0.6361, 0.3278

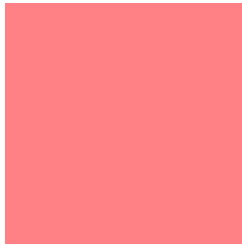


1.0871, 0.6267, 0.3226



# Previews

## White Background



This preview shows how the Yxy color 38.3918, 0.4493, 0.3243 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 38.3918, 0.4493, 0.3243 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 38.3918, 0.4493, 0.3243**

## Background



This preview shows how black text looks on a background with the Yxy color 38.3918, 0.4493, 0.3243.



This preview shows how white text looks on a background with the Yxy color 38.3918, 0.4493, 0.3243.

# 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

38.3918, 0.4493, 0.3243

### Protanopia

38.4237, 0.3317, 0.3488

### Deuteranopia

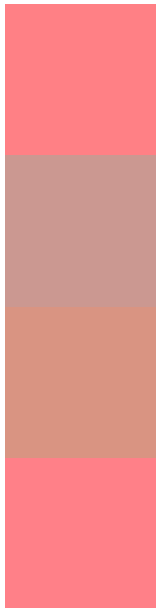
38.4359, 0.3793, 0.3716



## Tritanopia

38.5045, 0.4447, 0.3202

# Trichromacy



**Original Color**

38.3918, 0.4493, 0.3243

**Protanomaly**

37.1973, 0.3725, 0.3382

**Deuteranomaly**

37.5432, 0.4046, 0.3513

**Tritanomaly**

38.4759, 0.4458, 0.3212

# Monochromacy



**Original Color**

38.3918, 0.4493, 0.3243

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

37.2911, 0.3578, 0.3265

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.3918, 0.4493, 0.3243 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(255, 128, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 133)  
}
```

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(255, 128, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 38.3918, 0.4493, 0.3243 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(255, 128, 133) }
```

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

```
.border{ border-color:rgb(255, 128, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 128, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 128, 133); box-shadow:4px 4px 4px 4px rgb(255, 128, 133) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.3918, 0.4493, 0.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 133) }
```

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

```
.background{ background-color: rgb(255,  
128, 133) }
```

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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