

# Converting Colors

$Y_{xy}(40.3327, 0.4350, 0.3207)$

Have a look what the booklet for  
Yxy(40.3327, 0.4350, 0.3207)  
contains.

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# Color

**Yxy(40.2934, 0.4347, 0.3201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF868F
RGB	255, 134, 143
RGB Percent	100%, 53%, 56%
CMY	0.0000, 0.4744, 0.4394
CMYK	0.00, 0.47, 0.44, 0.00
HSL	356°, 100%, 76%
HSV	356°, 47%, 100%
XYZ	54.7190, 40.2934, 30.8652
YIQ	171.2050, 69.2270, 28.4510

# Conversions

## Conversions Part 2

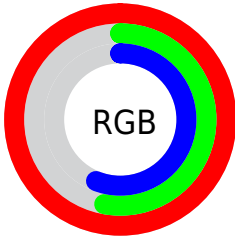
Format	Color
R <sub>Y</sub> B	255, 134, 143
Decimal	16746127
CIE Lab	69.68, 46.64, 16.34
CIE LCh	70, 49.423, 19.306
Yxy	40.2934, 0.4347, 0.3201
Android (android.graphics.Color)	4294936207 (0xFFFF868F)
YUV	171.2050, -13.9051, 73.4882
Hunter-Lab	63.4771, 42.7869, 15.6047

# Details

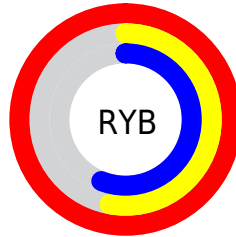
The Yxy color **40.2934, 0.4347, 0.3201** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.2419, 0.2535, 0.3391**, and the grayscale version is **40.8793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6864, 0.3616, 0.3208**, and **18.2773, 0.4717, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **33.4335, 0.4771, 0.3190**, and if you desaturate by 10%, it is **49.0071, 0.3983, 0.3218**.

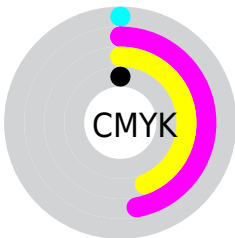
# Distribution



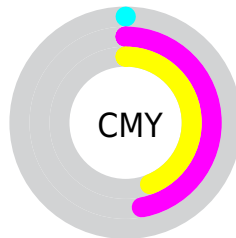
- Red (100%)
- Green (53%)
- Blue (56%)



- Red (100%)
- Yellow (53%)
- Blue (56%)



- Cyan (0%)
- Magenta (47%)
- Yellow (44%)
- Black (0%)




- Cyan (0%)
- Magenta (47%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2934, 0.4347, 0.3201 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 40.2934, 0.4347, 0.3201 by changing the saturation by 10% instead.




 40.2934, 0.4347,  
0.3201


 40.2934, 0.4347,  
0.3201


347.3587, 0.3717,  
0.3269


 27.7674, 0.4508,  
0.3176


 75.6101, 0.4115,  
0.3231

 18.1504, 0.4717,  
0.3141


 99.1695, 0.4028,  
0.3241

 11.0580, 0.4996,  
0.3085


 127.1756, 0.3956,  
0.3248

 6.1059, 0.5384,  
0.2993

160.0126, 0.3894,  
0.3254

 2.9096, 0.5952,  
0.2829

198.0651, 0.3841,  
0.3259

 1.0847, 0.7275,  
0.2665

241.7173, 0.3794,

 0.0000, 1.0000,

0.3263


0.0000

291.3537, 0.3753,  
0.3266

 0.0000, 0.0000,  
0.0000


 40.2934, 0.4347,  
0.3201


 40.2934, 0.4347,  
0.3201


 33.4335, 0.4771,  
0.3190


 49.0071, 0.3983,  
0.3218

 28.2876, 0.5233,  
0.3188


 59.6889, 0.3683,  
0.3238

 24.7060, 0.5686,  
0.3200


 72.4513, 0.3441,  
0.3258

 22.5104, 0.6062,  
0.3226

 87.3963, 0.3246,  
0.3277

 21.4700, 0.6302,  
0.3262

99.9987, 0.3127,  
0.3290

 21.3052, 0.6342,  
0.3268

# Harmonies

## Analogous

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



40.2934, 0.3740, 0.2716



40.2934, 0.4347, 0.3201



40.2934, 0.4568, 0.3739

# Triad

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



40.2934, 0.4347, 0.3201



40.2934, 0.3120, 0.4525



40.2934, 0.1987, 0.2254

# Complementary

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



40.2934, 0.4347, 0.3201



83.2419, 0.2535, 0.3391

# 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.



40.2934, 0.1868, 0.2585



40.2934, 0.4347, 0.3201



40.2934, 0.2470, 0.3967

# Square

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



40.2934, 0.4347, 0.3201



40.2934, 0.3809, 0.4590



40.2934, 0.2028, 0.3200



40.2934, 0.2372, 0.2192



# Rectangle

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



40.2934, 0.4347, 0.3201



40.2934, 0.4466, 0.4090



40.2934, 0.2028, 0.3200



40.2934, 0.1917, 0.2333

# Sweetspot

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



40.2955, 0.4347, 0.3201



77.3504, 0.3369, 0.3264



43.6709, 0.3094, 0.2104



15.8931, 0.3413, 0.3260



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.



40.2955, 0.4347, 0.3201



33.7023, 0.4751, 0.3190



57.4375, 0.4170, 0.3815



18.0089, 0.3283, 0.3273



11.1409, 0.6324, 0.3257



1.0920, 0.6156, 0.3165



# Inverse Universe

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



40.2955, 0.4347, 0.3201



33.7023, 0.4751, 0.3190



55.7541, 0.2384, 0.2679



18.0089, 0.3283, 0.3273



11.1409, 0.6324, 0.3257



1.0920, 0.6156, 0.3165



# Previews

## White Background



This preview shows how the Yxy color 40.2934, 0.4347, 0.3201 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 40.2934, 0.4347, 0.3201 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 40.2934, 0.4347, 0.3201**

## Background



This preview shows how black text looks on a background with the Yxy color 40.2934, 0.4347, 0.3201.



This preview shows how white text looks on a background with the Yxy color 40.2934, 0.4347, 0.3201.

# 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

40.2934, 0.4347, 0.3201

### Protanopia

40.5528, 0.3259, 0.3414

### Deuteranopia

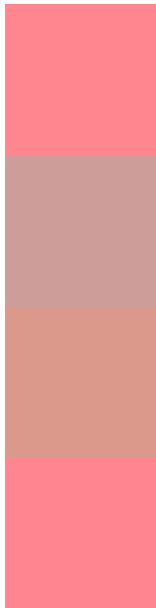
40.3917, 0.3700, 0.3632



## Tritanopia

40.3238, 0.4335, 0.3190

# Trichromacy



## Original Color

40.2934, 0.4347, 0.3201

## Protanomaly

39.4262, 0.3637, 0.3330

## Deuteranomaly

39.7360, 0.3937, 0.3450

## Tritanomaly

40.3238, 0.4335, 0.3190

# Monochromacy



## Original Color

40.2934, 0.4347, 0.3201

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

39.5835, 0.3535, 0.3253

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.2934, 0.4347, 0.3201 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, 134, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 143)  
}
```

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, 134, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 40.2934, 0.4347, 0.3201 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, 134, 143) }
```

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

```
.border{ border-color:rgb(255, 134, 143) }
```

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

Here you see how a box with a 4 pixel rgb(255, 134, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.2934, 0.4347, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 143) }
```

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

```
.background{ background-color: rgb(255,  
134, 143) }
```

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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