

# Converting Colors

$Y_{xy}(40.2394, 0.4233, 0.3077)$

Have a look what the booklet for  
Yxy(40.2394, 0.4233, 0.3077)  
contains.

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# **Color**

**Yxy(40.3350, 0.4236, 0.3086)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF8599
RGB	255, 133, 153
RGB Percent	100%, 52%, 60%
CMY	0.0002, 0.4783, 0.4000
CMYK	0.00, 0.48, 0.40, 0.00
HSL	350°, 100%, 76%
HSV	350°, 48%, 100%
XYZ	55.3659, 40.3350, 35.0023
YIQ	171.7580, 66.2920, 32.0840

# Conversions

## Conversions Part 2

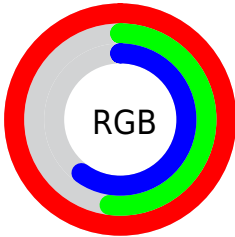
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 133, 153
Decimal	16745881
CIE <sub>Lab</sub>	69.71, 48.15, 10.76
CIE <sub>LCh</sub>	70, 49.338, 12.602
Yxy	40.3350, 0.4236, 0.3086
Android (android.graphics.Color)	4294935961 (0xFFFF8599)
YUV	171.7580, -9.2477, 73.0032
Hunter-Lab	63.5098, 44.4684, 11.7803

# Details

The Yxy color **40.3350, 0.4236, 0.3086** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.4815, 0.2579, 0.3521**, and the grayscale version is **41.1526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7314, 0.3534, 0.3095**, and **18.1534, 0.4581, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **33.5377, 0.4619, 0.3056**, and if you desaturate by 10%, it is **48.9564, 0.3909, 0.3126**.

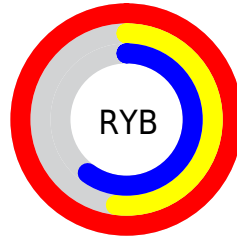
# Distribution



Red (100%)

Green (52%)

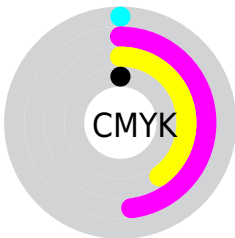
Blue (60%)



Red (100%)

Yellow (52%)

Blue (60%)

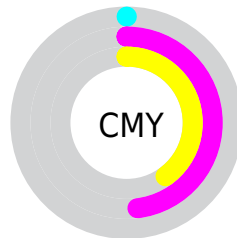


Cyan (0%)

Magenta (48%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (48%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3350, 0.4236, 0.3086 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 40.3350, 0.4236, 0.3086 by changing the saturation by 10% instead.




 40.3350, 0.4236,  
0.3086


 40.3350, 0.4236,  
0.3086

347.5335, 0.3665,  
0.3205

 27.7998, 0.4383,  
0.3051


 75.6734, 0.4025,  
0.3133

 18.1748, 0.4572,  
0.3004


 99.2454, 0.3947,  
0.3150

 11.0756, 0.4827,  
0.2935


 127.2651, 0.3881,  
0.3163

 6.1177, 0.5185,  
0.2831

160.1169, 0.3825,  
0.3174

 2.9168, 0.5716,  
0.2658

198.1853, 0.3777,  
0.3184

 1.0884, 0.6697,  
0.2387

241.8546, 0.3735,


 0.0000, 1.0000,

0.3192


0.0000


291.5092, 0.3697,  
0.3199


 0.0000, 0.0000,  
0.0000


 40.3350, 0.4236,  
0.3086


 40.3350, 0.4236,  
0.3086


 33.5377, 0.4619,  
0.3056


 48.9564, 0.3909,  
0.3126


 28.4270, 0.5043,  
0.3045


 59.5141, 0.3638,  
0.3171

 24.8558, 0.5474,  
0.3060

 72.1186, 0.3418,  
0.3215

 22.6488, 0.5861,  
0.3105

 86.8702, 0.3241,  
0.3258

 21.5732, 0.6150,  
0.3175

99.9922, 0.3127,  
0.3290

■ 21.4175, 0.6200,  
0.3189

# Harmonies

## Analogous

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



40.3350, 0.3575, 0.2624



40.3350, 0.4236, 0.3086



40.3350, 0.4556, 0.3618

# Triad

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



40.3350, 0.4236, 0.3086



40.3350, 0.3277, 0.4582



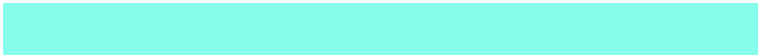
40.3350, 0.1939, 0.2306

# Complementary

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



40.3350, 0.4236, 0.3086



82.4815, 0.2579, 0.3521

# 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.



40.3350, 0.1882, 0.2700



40.3350, 0.4236, 0.3086



40.3350, 0.2603, 0.4123

# Square

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



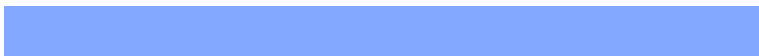
40.3350, 0.4236, 0.3086



40.3350, 0.3947, 0.4538



40.3350, 0.2105, 0.3367



40.3350, 0.2265, 0.2186



# Rectangle

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



40.3350, 0.4236, 0.3086



40.3350, 0.4518, 0.3975



40.3350, 0.2105, 0.3367



40.3350, 0.1890, 0.2405

# Sweetspot

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



40.3371, 0.4236, 0.3086



77.5238, 0.3346, 0.3232



41.6031, 0.3005, 0.2064



15.9347, 0.3386, 0.3223



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.



40.3371, 0.4236, 0.3086



34.0423, 0.4585, 0.3058



53.0943, 0.4236, 0.3716



18.0356, 0.3268, 0.3251



11.2094, 0.6168, 0.3172



1.1045, 0.5890, 0.3018



# Inverse Universe

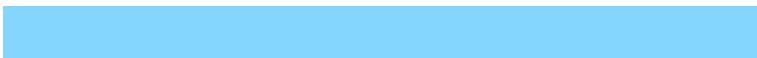
The Inverse Universe completely reimagines the original color for something new.



40.3371, 0.4236, 0.3086



34.0423, 0.4585, 0.3058



60.4612, 0.2402, 0.2801



18.0356, 0.3268, 0.3251



11.2094, 0.6168, 0.3172

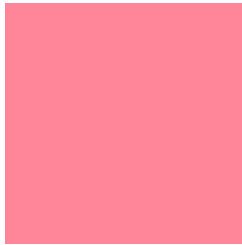


1.1045, 0.5890, 0.3018



# Previews

## White Background



This preview shows how the Yxy color 40.3350, 0.4236, 0.3086 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

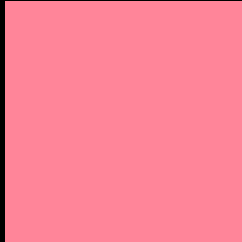
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.3350, 0.4236, 0.3086 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 40.3350, 0.4236, 0.3086**

## Background



This preview shows how black text looks on a background with the Yxy color 40.3350, 0.4236, 0.3086.



This preview shows how white text looks on a background with the Yxy color 40.3350, 0.4236, 0.3086.

# 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

40.3350, 0.4236, 0.3086

### Protanopia

40.6508, 0.3129, 0.3249

### Deuteranopia

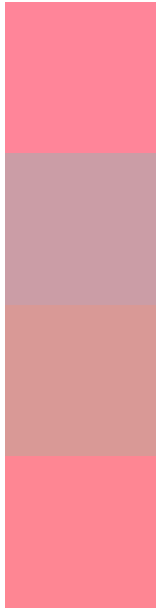
40.2911, 0.3575, 0.3502



## Tritanopia

40.4124, 0.4321, 0.3200

# Trichromacy



## Original Color

40.3350, 0.4236, 0.3086

## Protanomaly

39.5636, 0.3498, 0.3177

## Deuteranomaly

39.7362, 0.3813, 0.3329

## Tritanomaly

40.2276, 0.4291, 0.3158

# Monochromacy



## Original Color

40.3350, 0.4236, 0.3086

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

39.7269, 0.3496, 0.3202

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.3350, 0.4236, 0.3086 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, 133, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 153)  
}
```

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, 133, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 40.3350, 0.4236, 0.3086 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, 133, 153) }
```

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

```
.border{ border-color:rgb(255, 133, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.3350, 0.4236, 0.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 153) }
```

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

```
.background{ background-color: rgb(255,  
133, 153) }
```

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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