

# Converting Colors

$Y_{xy}(42.4759, 0.4146, 0.3079)$

Have a look what the booklet for  
Yxy(42.4759, 0.4146, 0.3079)  
contains.

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# Color

**Yxy(42.2633, 0.4132, 0.3074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8BA0
RGB	255, 139, 160
RGB Percent	100%, 55%, 63%
CMY	0.0001, 0.4548, 0.3726
CMYK	0.00, 0.45, 0.37, 0.00
HSL	349°, 100%, 77%
HSV	349°, 45%, 100%
XYZ	56.8094, 42.2633, 38.4137
YIQ	176.0780, 62.3950, 31.1230

# Conversions

## Conversions Part 2

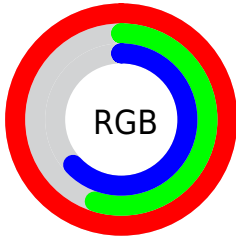
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 139, 160
Decimal	16747424
CIE <sub>Lab</sub>	71.05, 45.95, 8.77
CIE <sub>LCh</sub>	71, 46.781, 10.804
Yxy	42.2633, 0.4132, 0.3074
Android (android.graphics.Color)	4294937504 (0xFFFF8BA0)
YUV	176.0780, -7.9265, 69.2146
Hunter-Lab	65.0102, 42.2148, 10.4735

# Details

The Yxy color **42.2633, 0.4132, 0.3074** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.9356, 0.2609, 0.3532**, and the grayscale version is **43.4790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1965, 0.3457, 0.3086**, and **19.3618, 0.4423, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **35.0505, 0.4494, 0.3037**, and if you desaturate by 10%, it is **51.3248, 0.3826, 0.3120**.

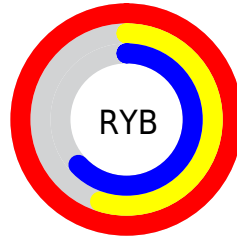
# Distribution



Red (100%)

Green (55%)

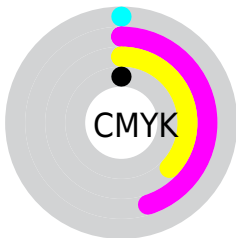
Blue (63%)



Red (100%)

Yellow (55%)

Blue (63%)

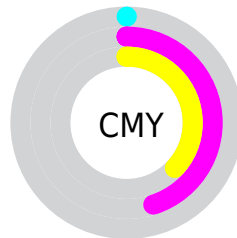


Cyan (0%)

Magenta (45%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2633, 0.4132, 0.3074 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 42.2633, 0.4132, 0.3074 by changing the saturation by 10% instead.





 42.2633, 0.4132,  
0.3074

 42.2633, 0.4132,  
0.3074

355.5733, 0.3618,  
0.3195

 29.3075, 0.4263,  
0.3040


 78.5980, 0.3943,  
0.3121

 19.3136, 0.4432,  
0.2995


 102.7456, 0.3873,  
0.3137

 11.8971, 0.4657,  
0.2931


 131.3927, 0.3814,  
0.3151

 6.6736, 0.4974,  
0.2836

164.9236, 0.3763,  
0.3163

 3.2588, 0.5443,  
0.2682

203.7227, 0.3720,  
0.3172

 1.2683, 0.6217,  
0.2414

248.1744, 0.3682,

 0.1165, 0.9175,

0.3181

0.0825

298.6632, 0.3648,  
0.3188

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

42.2633, 0.4132,  
0.3074

42.2633, 0.4132,  
0.3074

35.0505, 0.4494,  
0.3037

51.3248, 0.3826,  
0.3120

29.5526, 0.4902,  
0.3018

62.3441, 0.3573,  
0.3170

25.6277, 0.5329,  
0.3024

75.4293, 0.3369,  
0.3219

23.1082, 0.5730,  
0.3064

90.6787, 0.3203,  
0.3266

■ 21.7879, 0.6050,  
0.3134

99.9949, 0.3127,  
0.3290

■ 21.4529, 0.6162,  
0.3168

# Harmonies

## Analogous

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



42.2633, 0.3505, 0.2641



42.2633, 0.4132, 0.3074



42.2633, 0.4456, 0.3577

# Triad

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



42.2633, 0.4132, 0.3074



42.2633, 0.3315, 0.4500



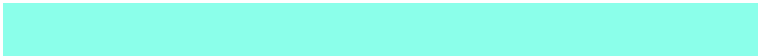
42.2633, 0.1996, 0.2381

# Complementary

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



42.2633, 0.4132, 0.3074



82.9356, 0.2609, 0.3532

# 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.



42.2633, 0.1958, 0.2774



42.2633, 0.4132, 0.3074



42.2633, 0.2675, 0.4098

# Square

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



42.2633, 0.4132, 0.3074



42.2633, 0.3937, 0.4446



42.2633, 0.2190, 0.3409



42.2633, 0.2292, 0.2250



# Rectangle

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



42.2633, 0.4132, 0.3074



42.2633, 0.4442, 0.3915



42.2633, 0.2190, 0.3409



42.2633, 0.1954, 0.2482

# Sweetspot

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



42.2654, 0.4132, 0.3074



77.5571, 0.3342, 0.3226



43.1357, 0.2997, 0.2115



15.9427, 0.3381, 0.3216



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.



42.2654, 0.4132, 0.3074



35.3610, 0.4475, 0.3039



54.0698, 0.4173, 0.3676



18.0407, 0.3266, 0.3247



11.2276, 0.6129, 0.3150



1.1070, 0.5840, 0.2991



# Inverse Universe

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



42.2654, 0.4132, 0.3074



35.3610, 0.4475, 0.3039



62.9857, 0.2439, 0.2854



18.0407, 0.3266, 0.3247



11.2276, 0.6129, 0.3150

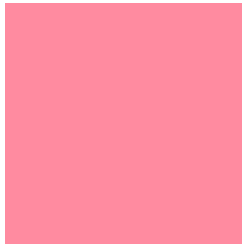


1.1070, 0.5840, 0.2991



# Previews

## White Background



This preview shows how the Yxy color 42.2633, 0.4132, 0.3074 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

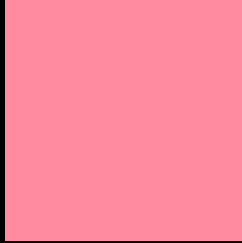
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.2633, 0.4132, 0.3074 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 42.2633, 0.4132, 0.3074**

## Background



This preview shows how black text looks on a background with the Yxy color 42.2633, 0.4132, 0.3074.



This preview shows how white text looks on a background with the Yxy color 42.2633, 0.4132, 0.3074.

# 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

42.2633, 0.4132, 0.3074

### Protanopia

42.3719, 0.3104, 0.3209

### Deuteranopia

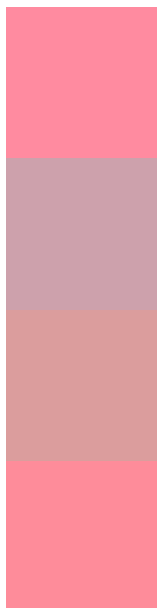
42.3776, 0.3527, 0.3459



## Tritanopia

42.3549, 0.4214, 0.3188

# Trichromacy



## Original Color

42.2633, 0.4132, 0.3074

## Protanomaly

41.4474, 0.3451, 0.3153

## Deuteranomaly

41.6083, 0.3747, 0.3292

## Tritanomaly

42.1601, 0.4185, 0.3146

# Monochromacy



## Original Color

42.2633, 0.4132, 0.3074

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

42.0758, 0.3466, 0.3203

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.2633, 0.4132, 0.3074 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, 139, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 160)  
}
```

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, 139, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 42.2633, 0.4132, 0.3074 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, 139, 160) }
```

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

```
.border{ border-color:rgb(255, 139, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 139, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.2633, 0.4132, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 160) }
```

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

```
.background{ background-color: rgb(255,  
139, 160) }
```

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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