

# Converting Colors

$Y_{xy}(45.7562, 0.3774, 0.2978)$

Have a look what the booklet for  
Yxy(45.7562, 0.3774, 0.2978)  
contains.

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# Color

**Yxy(45.9340, 0.3774, 0.2979)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F799B6
RGB	247, 153, 182
RGB Percent	97%, 60%, 71%
CMY	0.0314, 0.4000, 0.2862
CMYK	0.00, 0.38, 0.26, 0.03
HSL	341°, 85%, 78%
HSV	341°, 38%, 97%
XYZ	58.1923, 45.9340, 50.0664
YIQ	184.4120, 46.7150, 28.9470

# Conversions

## Conversions Part 2

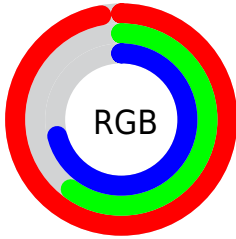
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 153, 182
Decimal	16226742
CIE <sub>Lab</sub>	73.50, 38.78, -0.05
CIE <sub>LCh</sub>	74, 38.779, 359.921
Yxy	45.9340, 0.3774, 0.2979
Android (android.graphics.Color)	4294416822 (0xFFFF799B6)
YUV	184.4120, -1.1891, 54.8897
Hunter-Lab	67.7746, 34.6572, 3.6436

# Details

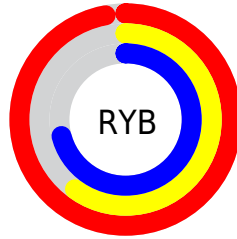
The Yxy color **45.9340, 0.3774, 0.2979** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **78.3512, 0.2737, 0.3632**, and the grayscale version is **48.1617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0340, 0.3266, 0.3002**, and **21.5181, 0.3966, 0.2893** is the 20% darker color. If you saturate the color by 10%, you get **38.0065, 0.4037, 0.2901**, and if you desaturate by 10%, it is **55.6252, 0.3554, 0.3063**.

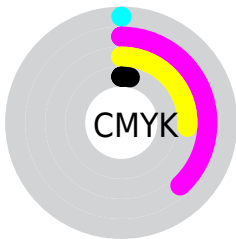
# Distribution



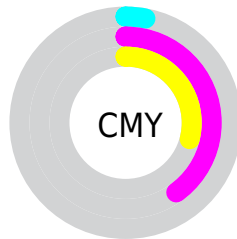
- Red (97%)
- Green (60%)
- Blue (71%)



- Red (97%)
- Yellow (60%)
- Blue (71%)



- Cyan (0%)
- Magenta (38%)
- Yellow (26%)
- Black (3%)




- Cyan (3%)
- Magenta (40%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9340, 0.3774, 0.2979 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 45.9340, 0.3774, 0.2979 by changing the saturation by 10% instead.





 45.9340, 0.3774,  
0.2979


 45.9340, 0.3774,  
0.2979


370.5432, 0.3450,  
0.3135

 32.1937, 0.3855,  
0.2940


 84.1202, 0.3656,  
0.3036

 21.5095, 0.3958,  
0.2890


 109.3350, 0.3612,  
0.3057

 13.4970, 0.4096,  
0.2824

139.1433, 0.3575,  
0.3075

 7.7716, 0.4286,  
0.2733

173.9297, 0.3543,  
0.3090

 3.9492, 0.4568,  
0.2597

214.0785, 0.3515,  
0.3104

 1.6452, 0.5024,  
0.2378

259.9741, 0.3491,

 0.3878, 0.6340,

0.3115

0.1744

312.0009, 0.3469,  
0.3126

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.9340, 0.3774,  
0.2979

45.9340, 0.3774,  
0.2979

38.0065, 0.4037,  
0.2901

55.6252, 0.3554,  
0.3063

31.7291, 0.4345,  
0.2837

67.1716, 0.3373,  
0.3148

26.9851, 0.4690,  
0.2798

80.6661, 0.3226,  
0.3228

23.6395, 0.5054,  
0.2798

96.1935, 0.3106,  
0.3304

■ 21.5334, 0.5409,  
0.2844

■ 98.5129, 0.3078,  
0.3290

■ 20.4503, 0.5720,  
0.2936

■ 20.2982, 0.5776,  
0.2956

# Harmonies

## Analogous

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



45.9340, 0.3234, 0.2649



45.9340, 0.3774, 0.2979



45.9340, 0.4140, 0.3390

# Triad

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



45.9340, 0.3774, 0.2979



45.9340, 0.3487, 0.4281



45.9340, 0.2154, 0.2646

# Complementary

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



45.9340, 0.3774, 0.2979



78.3512, 0.2737, 0.3632

# 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.



45.9340, 0.2208, 0.3054



45.9340, 0.3774, 0.2979



45.9340, 0.2952, 0.4081

# Square

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



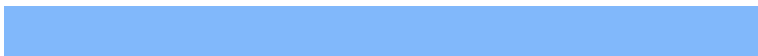
45.9340, 0.3774, 0.2979



45.9340, 0.3949, 0.4153



45.9340, 0.2489, 0.3598



45.9340, 0.2327, 0.2449



# Rectangle

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



45.9340, 0.3774, 0.2979



45.9340, 0.4216, 0.3675



45.9340, 0.2489, 0.3598



45.9340, 0.2146, 0.2760

# Sweetspot

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



45.9362, 0.3774, 0.2979



82.2043, 0.3266, 0.3205



44.2871, 0.2921, 0.2275



17.1650, 0.3286, 0.3194



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.



45.9362, 0.3774, 0.2979



42.4035, 0.3982, 0.2915



50.9120, 0.4000, 0.3479



16.5668, 0.3245, 0.3217



10.7580, 0.5733, 0.2932



0.9632, 0.5379, 0.2737



# Inverse Universe

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



45.9362, 0.3774, 0.2979



42.4035, 0.3982, 0.2915



69.9495, 0.2567, 0.3088



16.5668, 0.3245, 0.3217



10.7580, 0.5733, 0.2932

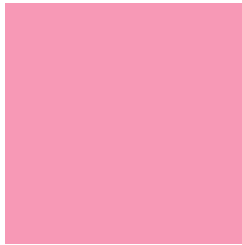


0.9632, 0.5379, 0.2737



# Previews

## White Background



This preview shows how the Yxy color 45.9340, 0.3774, 0.2979 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

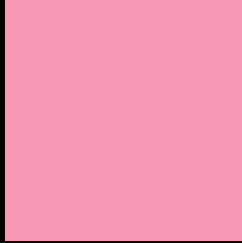
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.9340, 0.3774, 0.2979 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 45.9340, 0.3774, 0.2979**

## Background



This preview shows how black text looks on a background with the Yxy color 45.9340, 0.3774, 0.2979.

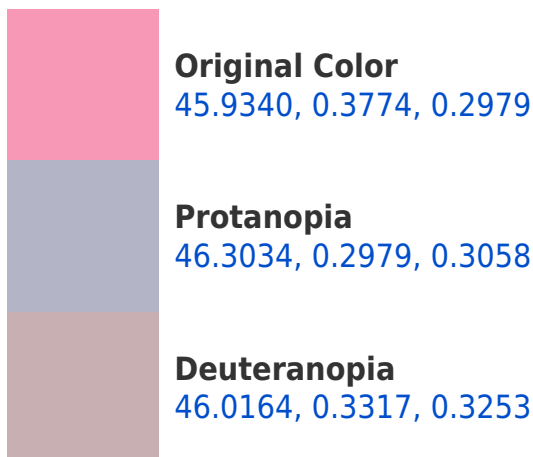


This preview shows how white text looks on a background with the Yxy color 45.9340, 0.3774, 0.2979.

# 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





## Tritanopia

45.9794, 0.3899, 0.3172

# Trichromacy



## Original Color

45.9340, 0.3774, 0.2979



## Protanomaly

45.3926, 0.3247, 0.3021



## Deuteranomaly

45.4910, 0.3478, 0.3147



## Tritanomaly

46.0141, 0.3861, 0.3107

# Monochromacy



## Original Color

45.9340, 0.3774, 0.2979



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

46.5714, 0.3349, 0.3168

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.9340, 0.3774, 0.2979 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(247, 153, 182)` looks like.

```
.text, #text, p{  
    color:rgb(247, 153, 182)  
}
```

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(247, 153, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 153, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9340, 0.3774, 0.2979 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(247, 153, 182) }
```

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

```
.border{ border-color:rgb(247, 153, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 153, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 153, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 153, 182);  
box-shadow:4px 4px 4px 4px rgb(247, 153,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9340, 0.3774, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 153, 182) }
```

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

```
.background{ background-color: rgb(247,  
153, 182) }
```

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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