

# Converting Colors

$Yxy(45.0697, 0.3896, 0.3090)$

Have a look what the booklet for  
Yxy(45.0697, 0.3896, 0.3090)  
contains.

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# Color

**Yxy(45.1329, 0.3901, 0.3097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F798AA
RGB	247, 152, 170
RGB Percent	97%, 60%, 67%
CMY	0.0313, 0.4040, 0.3333
CMYK	0.00, 0.38, 0.31, 0.03
HSL	349°, 86%, 78%
HSV	349°, 38%, 97%
XYZ	56.8497, 45.1329, 43.7485
YIQ	182.4570, 50.8420, 25.7380

# Conversions

## Conversions Part 2

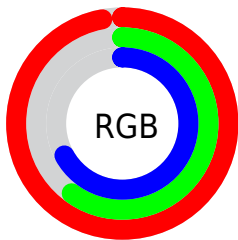
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 152, 170
Decimal	16226474
CIE Lab	72.98, 37.74, 5.83
CIE LCh	73, 38.192, 8.783
Yxy	45.1329, 0.3901, 0.3097
Android (android.graphics.Color)	4294416554 (0xFF798AA)
YUV	182.4570, -6.1413, 56.6042
Hunter-Lab	67.1810, 33.4828, 8.4169

# Details

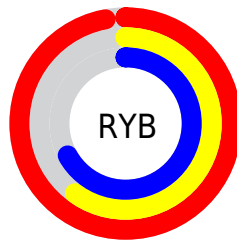
The Yxy color **45.1329, 0.3901, 0.3097** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **78.8714, 0.2678, 0.3499**, and the grayscale version is **47.0557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3219, 0.3363, 0.3109**, and **20.9231, 0.4122, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **37.2340, 0.4219, 0.3051**, and if you desaturate by 10%, it is **54.8213, 0.3637, 0.3148**.

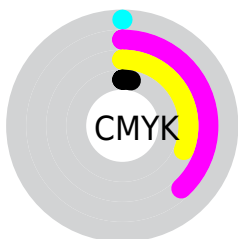
# Distribution



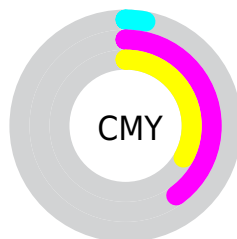
- Red (97%)
- Green (60%)
- Blue (67%)



- Red (97%)
- Yellow (60%)
- Blue (67%)



- Cyan (0%)
- Magenta (38%)
- Yellow (31%)
- Black (3%)




- Cyan (3%)
- Magenta (40%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1329, 0.3901, 0.3097 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 45.1329, 0.3901, 0.3097 by changing the saturation by 10% instead.




 45.1329, 0.3901,  
0.3097

 45.1329, 0.3901,  
0.3097


367.3115, 0.3510,  
0.3200

 31.5621, 0.4000,  
0.3070


 82.9198, 0.3758,  
0.3136

 21.0273, 0.4126,  
0.3033


 107.9047, 0.3705,  
0.3150

 13.1439, 0.4296,  
0.2983


137.4631, 0.3660,  
0.3162

 7.5277, 0.4532,  
0.2911

171.9794, 0.3621,  
0.3172

 3.7943, 0.4883,  
0.2797

211.8381, 0.3588,  
0.3180

 1.5592, 0.5452,  
0.2598

257.4233, 0.3558,

 0.3298, 0.7975,

0.3188

0.2025

309.1197, 0.3533,  
0.3194

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.1329, 0.3901,  
0.3097

45.1329, 0.3901,  
0.3097

37.2340, 0.4219,  
0.3051

54.8213, 0.3637,  
0.3148

31.0082, 0.4591,  
0.3016

66.3928, 0.3422,  
0.3200

26.3360, 0.5003,  
0.3002

79.9425, 0.3248,  
0.3250

23.0789, 0.5424,  
0.3017

95.5572, 0.3108,  
0.3297

■ 21.0737, 0.5806,  
0.3067

■ 98.5194, 0.3078,  
0.3290

■ 20.0906, 0.6100,  
0.3144

■ 19.9833, 0.6138,  
0.3155

# Harmonies

## Analogous

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



45.1329, 0.3398, 0.2739



45.1329, 0.3901, 0.3097



45.1329, 0.4182, 0.3516

# Triad

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



45.1329, 0.3901, 0.3097



45.1329, 0.3329, 0.4249



45.1329, 0.2190, 0.2572

# Complementary

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



45.1329, 0.3901, 0.3097



78.8714, 0.2678, 0.3499

# 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.



45.1329, 0.2176, 0.2917



45.1329, 0.3901, 0.3097



45.1329, 0.2805, 0.3953

# Square

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



45.1329, 0.3901, 0.3097



45.1329, 0.3823, 0.4211



45.1329, 0.2390, 0.3431



45.1329, 0.2425, 0.2438



# Rectangle

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



45.1329, 0.3901, 0.3097



45.1329, 0.4193, 0.3793



45.1329, 0.2390, 0.3431



45.1329, 0.2160, 0.2664

# Sweetspot

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



45.1351, 0.3901, 0.3097



80.5111, 0.3305, 0.3233



45.6677, 0.3011, 0.2291



16.8200, 0.3328, 0.3226



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.



45.1351, 0.3901, 0.3097



41.8869, 0.4138, 0.3061



54.8914, 0.3965, 0.3600



16.5338, 0.3264, 0.3245



10.5810, 0.6103, 0.3136



0.9436, 0.5776, 0.2955



# Inverse Universe

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



45.1351, 0.3901, 0.3097



41.8869, 0.4138, 0.3061



63.8030, 0.2542, 0.2951



16.5338, 0.3264, 0.3245



10.5810, 0.6103, 0.3136



0.9436, 0.5776, 0.2955



# Previews

## White Background



This preview shows how the Yxy color 45.1329, 0.3901, 0.3097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

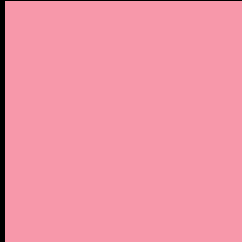
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.1329, 0.3901, 0.3097 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 45.1329, 0.3901, 0.3097**

## Background



This preview shows how black text looks on a background with the Yxy color 45.1329, 0.3901, 0.3097.

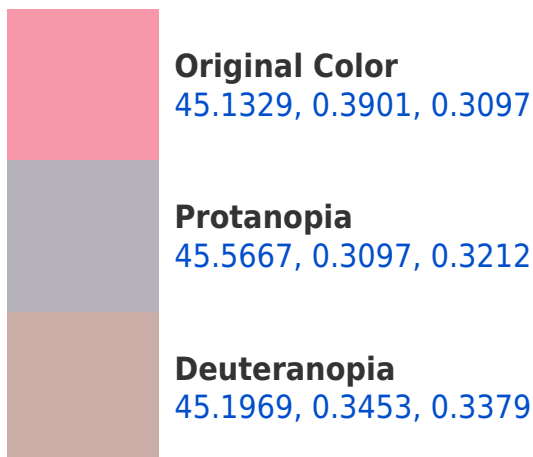


This preview shows how white text looks on a background with the Yxy color 45.1329, 0.3901, 0.3097.

# 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

45.0556, 0.3950, 0.3173

# Trichromacy



## Original Color

45.1329, 0.3901, 0.3097



## Protanomaly

44.6504, 0.3363, 0.3155



## Deuteranomaly

44.6057, 0.3614, 0.3267



## Tritanomaly

45.1285, 0.3929, 0.3151

# Monochromacy



## Original Color

45.1329, 0.3901, 0.3097



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

45.4620, 0.3387, 0.3204

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1329, 0.3901, 0.3097 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, 152, 170)` looks like.

```
.text, #text, p{  
    color:rgb(247, 152, 170)  
}
```

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, 152, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 152, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1329, 0.3901, 0.3097 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, 152, 170) }
```

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

```
.border{ border-color:rgb(247, 152, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 152, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 152, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 152, 170);  
box-shadow:4px 4px 4px 4px rgb(247, 152,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1329, 0.3901, 0.3097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 152, 170) }
```

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

```
.background{ background-color: rgb(247,  
152, 170) }
```

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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