

# Converting Colors

$Y_{xy}(45.1655, 0.3940, 0.2996)$

Have a look what the booklet for  
Yxy(45.1655, 0.3940, 0.2996)  
contains.

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# Color

**Yxy(45.2226, 0.3940, 0.2999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF93AF
RGB	255, 147, 175
RGB Percent	100%, 58%, 69%
CMY	0.0000, 0.4235, 0.3137
CMYK	0.00, 0.42, 0.31, 0.00
HSL	344°, 100%, 79%
HSV	344°, 42%, 100%
XYZ	59.4122, 45.2226, 46.1575
YIQ	182.4840, 55.3800, 31.6040

# Conversions

## Conversions Part 2

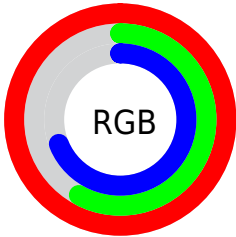
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 147, 175
Decimal	16749487
CIE Lab	73.04, 43.73, 3.27
CIE LCh	73, 43.849, 4.280
Yxy	45.2226, 0.3940, 0.2999
Android (android.graphics.Color)	4294939567 (0xFFFF93AF)
YUV	182.4840, -3.6896, 63.5965
Hunter-Lab	67.2478, 40.0179, 6.3780

# Details

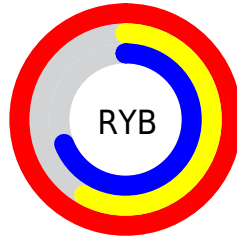
The Yxy color **45.2226, 0.3940, 0.2999** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.2696, 0.2676, 0.3614**, and the grayscale version is **47.0562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6850, 0.3331, 0.3019**, and **21.1712, 0.4171, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **37.4623, 0.4247, 0.2938**, and if you desaturate by 10%, it is **54.8483, 0.3682, 0.3068**.

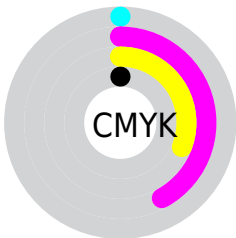
# Distribution



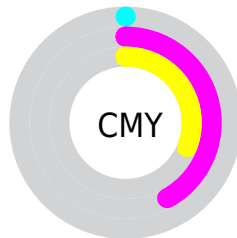
- Red (100%)
- Green (58%)
- Blue (69%)



- Red (100%)
- Yellow (58%)
- Blue (69%)



- Cyan (0%)
- Magenta (42%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (42%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2226, 0.3940, 0.2999 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 45.2226, 0.3940, 0.2999 by changing the saturation by 10% instead.





 45.2226, 0.3940,  
0.2999


 45.2226, 0.3940,  
0.2999


367.6743, 0.3531,  
0.3149

 31.6328, 0.4043,  
0.2961


 83.0543, 0.3791,  
0.3054

 21.0812, 0.4174,  
0.2911


 108.0651, 0.3735,  
0.3075

 13.1834, 0.4349,  
0.2844


137.6516, 0.3688,  
0.3092

 7.5549, 0.4593,  
0.2749

172.1982, 0.3647,  
0.3107

 3.8115, 0.4952,  
0.2605

212.0894, 0.3612,  
0.3119

 1.5687, 0.5528,  
0.2367

257.7096, 0.3582,

 0.3364, 0.7616,

0.3130

0.1693

309.4431, 0.3555,  
0.3140

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.2226, 0.3940,  
0.2999

45.2226, 0.3940,  
0.2999

37.4623, 0.4247,  
0.2938

54.8483, 0.3682,  
0.3068

31.4396, 0.4601,  
0.2895

66.4440, 0.3469,  
0.3140

27.0200, 0.4986,  
0.2882

80.1137, 0.3296,  
0.3209

24.0468, 0.5374,  
0.2907

95.9524, 0.3156,  
0.3275

■ 22.3306, 0.5725,  
0.2976

100.0000, 0.3127,  
0.3290

■ 21.6547, 0.5947,  
0.3050

# Harmonies

## Analogous

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



45.2226, 0.3337, 0.2617



45.2226, 0.3940, 0.2999



45.2226, 0.4312, 0.3461

# Triad

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



45.2226, 0.3940, 0.2999



45.2226, 0.3439, 0.4417



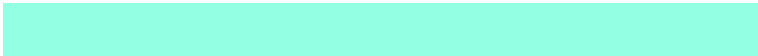
45.2226, 0.2050, 0.2512

# Complementary

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



45.2226, 0.3940, 0.2999



83.2696, 0.2676, 0.3614

# 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.



45.2226, 0.2070, 0.2933



45.2226, 0.3940, 0.2999



45.2226, 0.2837, 0.4135

# Square

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



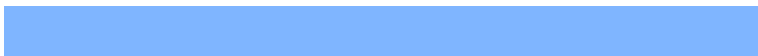
45.2226, 0.3940, 0.2999



45.2226, 0.3985, 0.4302



45.2226, 0.2344, 0.3545



45.2226, 0.2276, 0.2334



# Rectangle

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



45.2226, 0.3940, 0.2999



45.2226, 0.4358, 0.3778



45.2226, 0.2344, 0.3545



45.2226, 0.2029, 0.2626

# Sweetspot

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



45.2247, 0.3940, 0.2999



79.1611, 0.3306, 0.3205



44.2907, 0.2934, 0.2169



16.2653, 0.3342, 0.3190



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.



45.2247, 0.3940, 0.2999



38.4063, 0.4203, 0.2946



52.9497, 0.4118, 0.3557



18.0644, 0.3253, 0.3229



11.3355, 0.5906, 0.3027



1.1206, 0.5590, 0.2853



# Inverse Universe

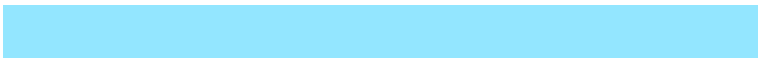
The Inverse Universe completely reimagines the original color for something new.



45.2247, 0.3940, 0.2999



38.4063, 0.4203, 0.2946



69.9067, 0.2500, 0.2997



18.0644, 0.3253, 0.3229



11.3355, 0.5906, 0.3027



1.1206, 0.5590, 0.2853



# Previews

## White Background



This preview shows how the Yxy color 45.2226, 0.3940, 0.2999 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

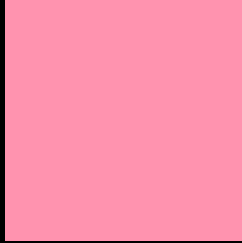
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2226, 0.3940, 0.2999 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

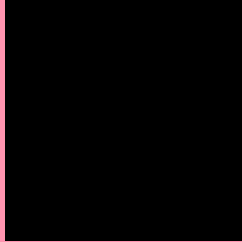
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.2226, 0.3940, 0.2999**

## Background



This preview shows how black text looks on a background with the Yxy color 45.2226, 0.3940, 0.2999.



This preview shows how white text looks on a background with the Yxy color 45.2226, 0.3940, 0.2999.

# 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

45.2226, 0.3940, 0.2999

### Protanopia

45.6742, 0.3017, 0.3108

### Deuteranopia

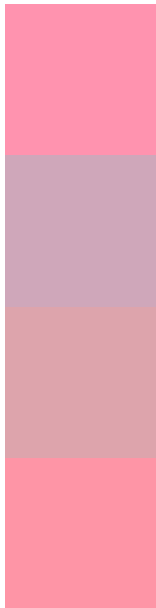
45.5919, 0.3406, 0.3341



## Tritanopia

45.4567, 0.4068, 0.3177

# Trichromacy



## Original Color

45.2226, 0.3940, 0.2999

## Protanomaly

44.4480, 0.3331, 0.3058

## Deuteranomaly

44.9016, 0.3598, 0.3196

## Tritanomaly

45.3189, 0.4019, 0.3113

# Monochromacy



## Original Color

45.2226, 0.3940, 0.2999

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

45.1859, 0.3409, 0.3168

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2226, 0.3940, 0.2999 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, 147, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 175)  
}
```

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, 147, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2226, 0.3940, 0.2999 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, 147, 175) }
```

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

```
.border{ border-color:rgb(255, 147, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 147, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2226, 0.3940, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 175) }
```

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

```
.background{ background-color: rgb(255,  
147, 175) }
```

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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