

# Converting Colors

$Y_{xy}(42.6703, 0.3964, 0.2908)$

Have a look what the booklet for  
Yxy(42.6703, 0.3964, 0.2908)  
contains.

<b>Yxy(42.5321, 0.3969, 0.2907)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(42.5321, 0.3969, 0.2907)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8AAF
RGB	255, 138, 175
RGB Percent	100%, 54%, 69%
CMY	0.0000, 0.4588, 0.3137
CMYK	0.00, 0.46, 0.31, 0.00
HSL	341°, 100%, 77%
HSV	341°, 46%, 100%
XYZ	58.0701, 42.5321, 45.7070
YIQ	177.2010, 57.8550, 36.3110

# Conversions

## Conversions Part 2

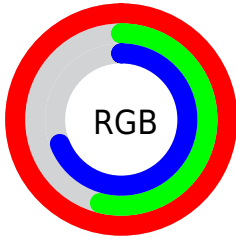
Format	Color
R <sub>Y</sub> B	255, 138, 175
Decimal	16747183
CIE Lab	71.24, 48.25, 0.66
CIE LCh	71, 48.255, 0.779
Yxy	42.5321, 0.3969, 0.2907
Android (android.graphics.Color)	4294937263 (0xFFFF8AAF)
YUV	177.2010, -1.0851, 68.2297
Hunter-Lab	65.2166, 44.8107, 4.0983

# Details

The Yxy color **42.5321, 0.3969, 0.2907** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.9848, 0.2678, 0.3728**, and the grayscale version is **44.0592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5567, 0.3341, 0.2927**, and **19.3728, 0.4205, 0.2785** is the 20% darker color. If you saturate the color by 10%, you get **35.4123, 0.4264, 0.2837**, and if you desaturate by 10%, it is **51.4568, 0.3717, 0.2989**.

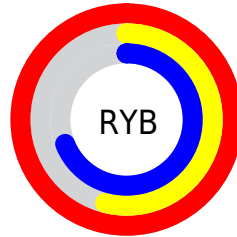
# Distribution



Red (100%)

Green (54%)

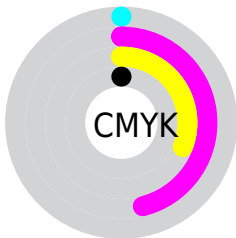
Blue (69%)



Red (100%)

Yellow (54%)

Blue (69%)

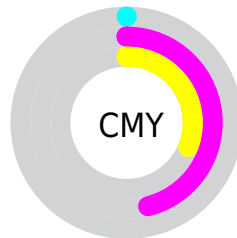


Cyan (0%)

Magenta (46%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (46%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5321, 0.3969, 0.2907 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 42.5321, 0.3969, 0.2907 by changing the saturation by 10% instead.





 42.5321, 0.3969,  
0.2907


 42.5321, 0.3969,  
0.2907


356.6840, 0.3543,  
0.3102


 29.5182, 0.4077,  
0.2858


 79.0043, 0.3813,  
0.2978

 19.4732, 0.4215,  
0.2794


 103.2314, 0.3755,  
0.3005

 12.0127, 0.4400,  
0.2709


 131.9649, 0.3706,  
0.3027

 6.7523, 0.4659,  
0.2590

165.5894, 0.3664,  
0.3047

 3.3077, 0.5043,  
0.2411

204.4891, 0.3627,  
0.3063

 1.2944, 0.5664,  
0.2121

249.0485, 0.3596,

 0.1369, 0.8536,

0.3078

0.0835

299.6520, 0.3568,  
0.3090

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

42.5321, 0.3969,  
0.2907

42.5321, 0.3969,  
0.2907

35.4123, 0.4264,  
0.2837

51.4568, 0.3717,  
0.2989

29.9734, 0.4598,  
0.2791

62.3011, 0.3508,  
0.3076

26.0734, 0.4957,  
0.2780

75.1686, 0.3337,  
0.3162

23.5469, 0.5314,  
0.2816

90.1558, 0.3197,  
0.3244

■ 22.1897, 0.5635,  
0.2900

100.0000, 0.3127,  
0.3290

■ 21.8488, 0.5753,  
0.2943

# Harmonies

## Analogous

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



42.5321, 0.3274, 0.2505



42.5321, 0.3969, 0.2907



42.5321, 0.4430, 0.3405

# Triad

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



42.5321, 0.3969, 0.2907



42.5321, 0.3541, 0.4568



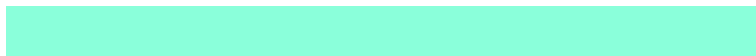
42.5321, 0.1925, 0.2459

# Complementary

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



42.5321, 0.3969, 0.2907



81.9848, 0.2678, 0.3728

# 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.



42.5321, 0.1976, 0.2952



42.5321, 0.3969, 0.2907



42.5321, 0.2870, 0.4313

# Square

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



42.5321, 0.3969, 0.2907



42.5321, 0.4135, 0.4373



42.5321, 0.2304, 0.3659



42.5321, 0.2140, 0.2240



# Rectangle

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



42.5321, 0.3969, 0.2907



42.5321, 0.4510, 0.3755



42.5321, 0.2304, 0.3659



42.5321, 0.1912, 0.2593

# Sweetspot

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



42.5316, 0.3969, 0.2907



77.8261, 0.3308, 0.3178



40.2940, 0.2862, 0.2058



16.0076, 0.3341, 0.3160



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.



42.5316, 0.3969, 0.2907



35.9714, 0.4236, 0.2843



48.0457, 0.4268, 0.3517



18.0817, 0.3244, 0.3215



11.4402, 0.5710, 0.2919



1.1327, 0.5390, 0.2743



# Inverse Universe

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



42.5316, 0.3969, 0.2907



35.9714, 0.4236, 0.2843



71.2126, 0.2468, 0.3039



18.0817, 0.3244, 0.3215



11.4402, 0.5710, 0.2919

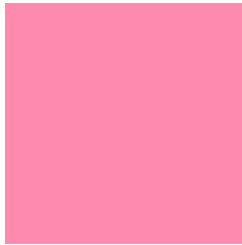


1.1327, 0.5390, 0.2743



# Previews

## White Background



This preview shows how the Yxy color 42.5321, 0.3969, 0.2907 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

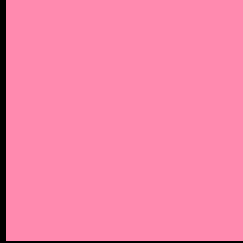
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.5321, 0.3969, 0.2907 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

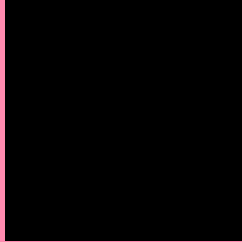
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.5321, 0.3969, 0.2907**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.5321, 0.3969, 0.2907.



This preview shows how white text looks on a background with the Yxy color 42.5321, 0.3969, 0.2907.

# 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

42.5321, 0.3969, 0.2907

### Protanopia

43.0283, 0.2936, 0.2999

### Deuteranopia

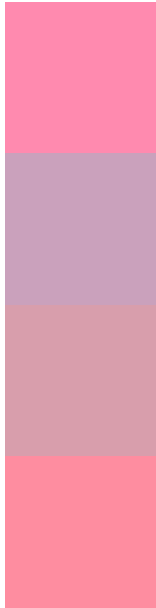
42.7475, 0.3350, 0.3278



## Tritanopia

42.4956, 0.4189, 0.3188

# Trichromacy



**Original Color**

42.5321, 0.3969, 0.2907

**Protanomaly**

41.6771, 0.3274, 0.2955

**Deuteranomaly**

42.0312, 0.3565, 0.3122

**Tritanomaly**

42.6586, 0.4115, 0.3093

# Monochromacy



**Original Color**

42.5321, 0.3969, 0.2907

**Achromatopsia**

43.9657, 0.3127, 0.3290

**Achromatomaly**

42.3081, 0.3410, 0.3129

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.5321, 0.3969, 0.2907 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, 138, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 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, 138, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 42.5321, 0.3969, 0.2907 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, 138, 175) }
```

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

```
.border{ border-color:rgb(255, 138, 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, 138, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.5321, 0.3969, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 175) }
```

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

```
.background{ background-color: rgb(255,  
138, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor