

# Converting Colors

$Y_{xy}(59.6663, 0.4565, 0.3134)$

Have a look what the booklet for  
Yxy(59.6663, 0.4565, 0.3134)  
contains.

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# **Color**

**Yxy(45.2670, 0.4011, 0.3083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF94A8
RGB	255, 148, 168
RGB Percent	100%, 58%, 66%
CMY	0.0000, 0.4195, 0.3413
CMYK	0.00, 0.42, 0.34, 0.00
HSL	349°, 100%, 79%
HSV	349°, 42%, 100%
XYZ	58.8926, 45.2670, 42.6681
YIQ	182.2730, 57.3520, 28.9040

# Conversions

## Conversions Part 2

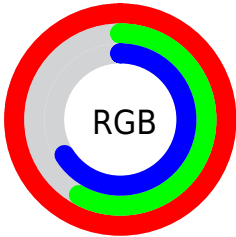
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 148, 168
Decimal	16749736
CIE <sub>Lab</sub>	73.07, 42.35, 7.21
CIE <sub>LCh</sub>	73, 42.961, 9.659
Yxy	45.2670, 0.4011, 0.3083
Android (android.graphics.Color)	4294939816 (0xFFFF94A8)
YUV	182.2730, -7.0366, 63.7816
Hunter-Lab	67.2808, 38.5044, 9.4960

# Details

The Yxy color **45.2670, 0.4011, 0.3083** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.8091, 0.2643, 0.3518**, and the grayscale version is **46.9528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7734, 0.3382, 0.3098**, and **21.1811, 0.4274, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **37.4185, 0.4351, 0.3041**, and if you desaturate by 10%, it is **55.0050, 0.3726, 0.3133**.

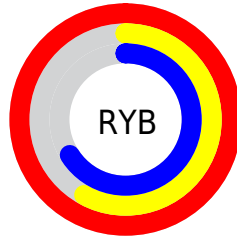
# Distribution



Red (100%)

Green (58%)

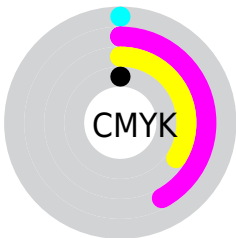
Blue (66%)



Red (100%)

Yellow (58%)

Blue (66%)

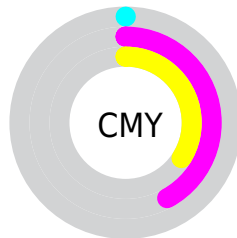


Cyan (0%)

Magenta (42%)

Yellow (34%)

Black (0%)



Cyan (0%)

Magenta (42%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2670, 0.4011, 0.3083 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 45.2670, 0.4011, 0.3083 by changing the saturation by 10% instead.





 45.2670, 0.4011,  
0.3083

 45.2670, 0.4011,  
0.3083


367.8538, 0.3564,  
0.3195

 31.6678, 0.4123,  
0.3053


 83.1209, 0.3848,  
0.3125

 21.1079, 0.4268,  
0.3013


 108.1444, 0.3787,  
0.3141

 13.2029, 0.4460,  
0.2957


137.7448, 0.3735,  
0.3154

 7.5684, 0.4727,  
0.2876

172.3065, 0.3691,  
0.3165

 3.8200, 0.5121,  
0.2748

212.2138, 0.3653,  
0.3174

 1.5734, 0.5749,  
0.2525

257.8512, 0.3620,

 0.3396, 0.8122,

0.3182

0.1878

309.6031, 0.3591,  
0.3189

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.2670, 0.4011,  
0.3083

45.2670, 0.4011,  
0.3083

37.4185, 0.4351,  
0.3041

55.0050, 0.3726,  
0.3133

31.3299, 0.4742,  
0.3013

66.7376, 0.3494,  
0.3184

26.8662, 0.5163,  
0.3008

80.5699, 0.3305,  
0.3234

23.8695, 0.5578,  
0.3036

96.5978, 0.3153,  
0.3281

■ 22.1499, 0.5933,  
0.3098

99.9976, 0.3127,  
0.3290

■ 21.4675, 0.6148,  
0.3161

# Harmonies

## Analogous

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



45.2670, 0.3446, 0.2688



45.2670, 0.4011, 0.3083



45.2670, 0.4317, 0.3544

# Triad

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



45.2670, 0.4011, 0.3083



45.2670, 0.3328, 0.4373



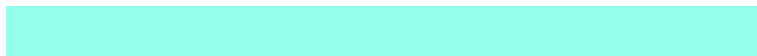
45.2670, 0.2092, 0.2479

# Complementary

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



45.2670, 0.4011, 0.3083



83.8091, 0.2643, 0.3518

# 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.



45.2670, 0.2068, 0.2851



45.2670, 0.4011, 0.3083



45.2670, 0.2745, 0.4028

# Square

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



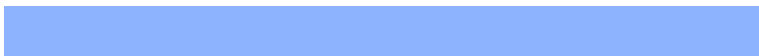
45.2670, 0.4011, 0.3083



45.2670, 0.3885, 0.4326



45.2670, 0.2293, 0.3426



45.2670, 0.2356, 0.2344



# Rectangle

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



45.2670, 0.4011, 0.3083



45.2670, 0.4318, 0.3852



45.2670, 0.2293, 0.3426



45.2670, 0.2057, 0.2576

# Sweetspot

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



45.2692, 0.4011, 0.3083



79.0263, 0.3323, 0.3229



45.8282, 0.2996, 0.2199



16.2324, 0.3362, 0.3218



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.



45.2692, 0.4011, 0.3083



38.8121, 0.4280, 0.3048



56.0826, 0.4072, 0.3629



18.0424, 0.3265, 0.3246



11.2343, 0.6114, 0.3142



1.1079, 0.5823, 0.2981



# Inverse Universe

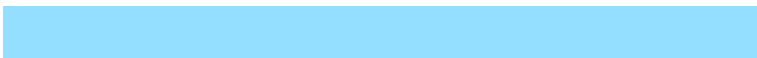
The Inverse Universe completely reimagines the original color for something new.



45.2692, 0.4011, 0.3083



38.8121, 0.4280, 0.3048



66.2367, 0.2492, 0.2915



18.0424, 0.3265, 0.3246



11.2343, 0.6114, 0.3142

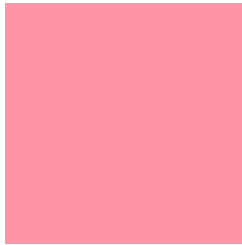


1.1079, 0.5823, 0.2981



# Previews

## White Background



This preview shows how the Yxy color 45.2670, 0.4011, 0.3083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

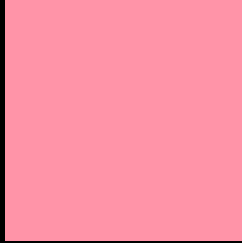
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2670, 0.4011, 0.3083 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 45.2670, 0.4011, 0.3083**

## Background



This preview shows how black text looks on a background with the Yxy color 45.2670, 0.4011, 0.3083.



This preview shows how white text looks on a background with the Yxy color 45.2670, 0.4011, 0.3083.

# 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

45.2670, 0.4011, 0.3083

### Protanopia

45.5667, 0.3097, 0.3212

### Deuteranopia

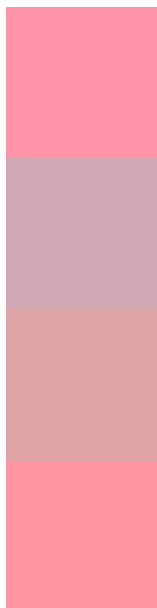
45.2640, 0.3480, 0.3404



## Tritanopia

45.1038, 0.4083, 0.3177

# Trichromacy



## Original Color

45.2670, 0.4011, 0.3083

## Protanomaly

44.6698, 0.3402, 0.3156

## Deuteranomaly

44.7971, 0.3675, 0.3280

## Tritanomaly

45.2101, 0.4051, 0.3145

# Monochromacy



## Original Color

45.2670, 0.4011, 0.3083

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

45.4791, 0.3425, 0.3205

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2670, 0.4011, 0.3083 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, 148, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 168)  
}
```

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, 148, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2670, 0.4011, 0.3083 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, 148, 168) }
```

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

```
.border{ border-color:rgb(255, 148, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 148, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2670, 0.4011, 0.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 168) }
```

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

```
.background{ background-color: rgb(255,  
148, 168) }
```

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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