

# Converting Colors

$Y_{xy}(39.8590, 0.3959, 0.2768)$

Have a look what the booklet for  
Yxy(39.8590, 0.3959, 0.2768)  
contains.

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**Color**

**Yxy(39.9530, 0.3954, 0.2767)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF80B3
RGB	255, 128, 179
RGB Percent	100%, 50%, 70%
CMY	0.0000, 0.4980, 0.2981
CMYK	0.00, 0.50, 0.30, 0.00
HSL	336°, 100%, 75%
HSV	336°, 50%, 100%
XYZ	57.0922, 39.9530, 47.3458
YIQ	171.7870, 59.3210, 42.7850

# Conversions

## Conversions Part 2

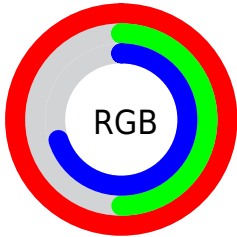
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 128, 179
Decimal	16744627
CIE Lab	69.44, 53.62, -4.22
CIE LCh	69, 53.781, 355.503
Yxy	39.9530, 0.3954, 0.2767
Android (android.graphics.Color)	4294934707 (0xFFFF80B3)
YUV	171.7870, 3.5560, 72.9778
Hunter-Lab	63.2084, 50.6133, -0.1649

# Details

The Yxy color **39.9530, 0.3954, 0.2767** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.4641, 0.2700, 0.3910**, and the grayscale version is **41.1031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5391, 0.3312, 0.2778**, and **17.8735, 0.4201, 0.2621** is the 20% darker color. If you saturate the color by 10%, you get **33.5334, 0.4219, 0.2684**, and if you desaturate by 10%, it is **48.1160, 0.3724, 0.2868**.

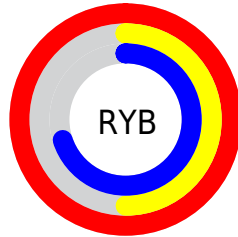
# Distribution



Red (100%)

Green (50%)

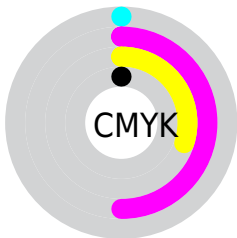
Blue (70%)



Red (100%)

Yellow (50%)

Blue (70%)

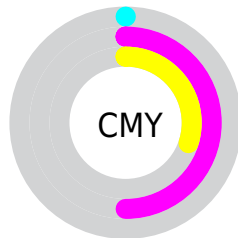


Cyan (0%)

Magenta (50%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (50%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9530, 0.3954, 0.2767 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 39.9530, 0.3954, 0.2767 by changing the saturation by 10% instead.





 39.9530, 0.3954,  
0.2767


 39.9530, 0.3954,  
0.2767


345.9254, 0.3535,  
0.3028

 27.5019, 0.4060,  
0.2702


 75.0919, 0.3801,  
0.2862

 17.9505, 0.4197,  
0.2619


 98.5486, 0.3743,  
0.2897

 10.9145, 0.4379,  
0.2510


 126.4425, 0.3695,  
0.2927

 6.0094, 0.4634,  
0.2359

159.1581, 0.3654,  
0.2953

 2.8508, 0.5015,  
0.2139

197.0798, 0.3618,  
0.2976

 1.0543, 0.5632,  
0.1795

240.5920, 0.3587,

 0.0000, 0.8533,

0.2995

0.0000

290.0791, 0.3559,  
0.3013

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.9530, 0.3954,  
0.2767

■ 39.9530, 0.3954,  
0.2767

■ 33.5334, 0.4219,  
0.2684

■ 48.1160, 0.3724,  
0.2868

■ 28.7213, 0.4514,  
0.2631

■ 58.1330, 0.3529,  
0.2976

■ 25.3705, 0.4825,  
0.2622

■ 70.1123, 0.3368,  
0.3086

■ 23.3044, 0.5132,  
0.2665

■ 84.1521, 0.3234,  
0.3192

■ 22.2422, 0.5415,  
0.2758

99.9980, 0.3127,  
0.3290

■ 22.2247, 0.5420,  
0.2760

# Harmonies

## Analogous

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



39.9530, 0.3145, 0.2353



39.9530, 0.3954, 0.2767



39.9530, 0.4548, 0.3300

# Triad

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



39.9530, 0.3954, 0.2767



39.9530, 0.3706, 0.4738



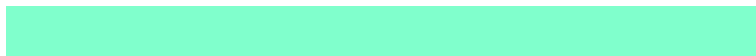
39.9530, 0.1776, 0.2421

# Complementary

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



39.9530, 0.3954, 0.2767



80.4641, 0.2700, 0.3910

# 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.



39.9530, 0.1880, 0.3022



39.9530, 0.3954, 0.2767



39.9530, 0.2954, 0.4565

# Square

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



39.9530, 0.3954, 0.2767



39.9530, 0.4345, 0.4418



39.9530, 0.2288, 0.3860



39.9530, 0.1961, 0.2136



# Rectangle

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



39.9530, 0.3954, 0.2767



39.9530, 0.4692, 0.3685



39.9530, 0.2288, 0.3860



39.9530, 0.1777, 0.2585

# Sweetspot

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



39.9550, 0.3954, 0.2767



76.5892, 0.3300, 0.3137



35.2302, 0.2724, 0.1913



15.7718, 0.3329, 0.3115



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.



39.9550, 0.3954, 0.2767



33.4223, 0.4225, 0.2683



41.1659, 0.4489, 0.3403



18.1079, 0.3231, 0.3195



11.6415, 0.5378, 0.2736



1.1544, 0.5077, 0.2571



# Inverse Universe

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



39.9550, 0.3954, 0.2767



33.4223, 0.4225, 0.2683



76.7572, 0.2451, 0.3166



18.1079, 0.3231, 0.3195



11.6415, 0.5378, 0.2736

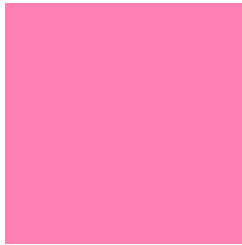


1.1544, 0.5077, 0.2571



# Previews

## White Background



This preview shows how the Yxy color 39.9530, 0.3954, 0.2767 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

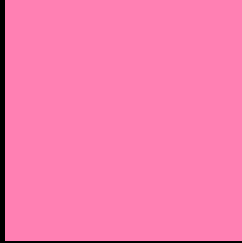
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.9530, 0.3954, 0.2767 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 39.9530, 0.3954, 0.2767**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.9530, 0.3954, 0.2767.



This preview shows how white text looks on a background with the Yxy color 39.9530, 0.3954, 0.2767.

# 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

39.9530, 0.3954, 0.2767

### Protanopia

40.0944, 0.2784, 0.2796

### Deuteranopia

40.2417, 0.3244, 0.3184



## Tritanopia

40.0370, 0.4302, 0.3199

# Trichromacy



## Original Color

39.9530, 0.3954, 0.2767



## Protanomaly

38.5038, 0.3152, 0.2751



## Deuteranomaly

39.2533, 0.3489, 0.3007



## Tritanomaly

39.8195, 0.4175, 0.3031

# Monochromacy



## Original Color

39.9530, 0.3954, 0.2767



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

39.4286, 0.3403, 0.3050

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9530, 0.3954, 0.2767 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, 128, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 179)  
}
```

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, 128, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9530, 0.3954, 0.2767 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, 128, 179) }
```

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

```
.border{ border-color:rgb(255, 128, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9530, 0.3954, 0.2767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 179) }
```

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

```
.background{ background-color: rgb(255,  
128, 179) }
```

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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