

# Converting Colors

$Y_{xy}(41.2991, 0.3908, 0.2783)$

Have a look what the booklet for  
Yxy(41.2991, 0.3908, 0.2783)  
contains.

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# Color

**Yxy(41.4125, 0.3906, 0.2785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF85B6
RGB	255, 133, 182
RGB Percent	100%, 52%, 71%
CMY	0.0000, 0.4785, 0.2862
CMYK	0.00, 0.48, 0.29, 0.00
HSL	336°, 100%, 76%
HSV	336°, 48%, 100%
XYZ	58.0816, 41.4125, 49.2043
YIQ	175.0640, 56.9830, 41.1030

# Conversions

## Conversions Part 2

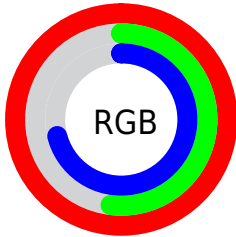
Format	Color
R <sub>Y</sub> B	255, 133, 182
Decimal	16745910
CIE Lab	70.46, 51.61, -4.40
CIE LCh	70, 51.795, 355.125
Yxy	41.4125, 0.3906, 0.2785
Android (android.graphics.Color)	4294935990 (0xFFFF85B6)
YUV	175.0640, 3.4194, 70.1039
Hunter-Lab	64.3525, 48.4888, -0.2867

# Details

The Yxy color **41.4125, 0.3906, 0.2785** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.9590, 0.2713, 0.3882**, and the grayscale version is **42.8598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8282, 0.3284, 0.2800**, and **18.7790, 0.4128, 0.2649** is the 20% darker color. If you saturate the color by 10%, you get **34.6582, 0.4164, 0.2697**, and if you desaturate by 10%, it is **49.9227, 0.3683, 0.2888**.

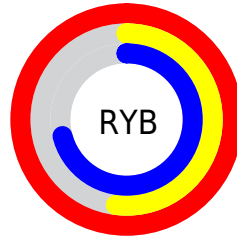
# Distribution



Red (100%)

Green (52%)

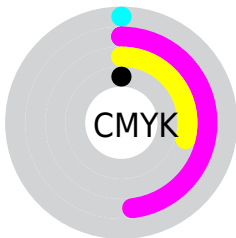
Blue (71%)



Red (100%)

Yellow (52%)

Blue (71%)

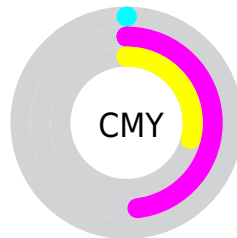


Cyan (0%)

Magenta (48%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (48%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4125, 0.3906, 0.2785 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 41.4125, 0.3906, 0.2785 by changing the saturation by 10% instead.





 41.4125, 0.3906,  
0.2785

 41.4125, 0.3906,  
0.2785


352.0417, 0.3513,  
0.3036

 28.6415, 0.4005,  
0.2723


 77.3097, 0.3763,  
0.2876

 18.8098, 0.4131,  
0.2645


 101.2047, 0.3709,  
0.2910

 11.5329, 0.4300,  
0.2541


 129.5765, 0.3664,  
0.2939

 6.4265, 0.4535,  
0.2399

162.8096, 0.3625,  
0.2964

 3.1061, 0.4884,  
0.2192

201.2882, 0.3592,  
0.2985

 1.1874, 0.5446,  
0.1870

245.3969, 0.3562,

 0.0514, 0.7714,

0.3004

0.0283

295.5199, 0.3536,  
0.3021

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

41.4125, 0.3906,  
0.2785

41.4125, 0.3906,  
0.2785

34.6582, 0.4164,  
0.2697

49.9227, 0.3683,  
0.2888

29.5436, 0.4454,  
0.2638

60.3139, 0.3495,  
0.2997

25.9209, 0.4763,  
0.2619

72.6872, 0.3339,  
0.3107

23.6203, 0.5072,  
0.2652

87.1394, 0.3211,  
0.3212

■ 22.4151, 0.5359,  
0.2737

100.0000, 0.3127,  
0.3290

■ 22.2293, 0.5418,  
0.2759

# Harmonies

## Analogous

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



41.4125, 0.3137, 0.2387



41.4125, 0.3906, 0.2785



41.4125, 0.4475, 0.3299

# Triad

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



41.4125, 0.3906, 0.2785



41.4125, 0.3696, 0.4667



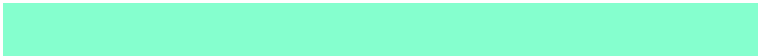
41.4125, 0.1830, 0.2468

# Complementary

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



41.4125, 0.3906, 0.2785



80.9590, 0.2713, 0.3882

# 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.



41.4125, 0.1936, 0.3049



41.4125, 0.3906, 0.2785



41.4125, 0.2976, 0.4502

# Square

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



41.4125, 0.3906, 0.2785



41.4125, 0.4301, 0.4369



41.4125, 0.2335, 0.3842



41.4125, 0.2005, 0.2187



# Rectangle

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



41.4125, 0.3906, 0.2785



41.4125, 0.4618, 0.3670



41.4125, 0.2335, 0.3842



41.4125, 0.1833, 0.2628

# Sweetspot

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



41.4089, 0.3906, 0.2785



78.0002, 0.3287, 0.3148



36.8501, 0.2744, 0.1968



16.0497, 0.3316, 0.3125



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.



41.4089, 0.3906, 0.2785



35.1665, 0.4141, 0.2704



42.6431, 0.4409, 0.3399



18.1081, 0.3231, 0.3195



11.6429, 0.5376, 0.2735



1.1545, 0.5075, 0.2570



# Inverse Universe

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



41.4089, 0.3906, 0.2785



35.1665, 0.4141, 0.2704



77.4082, 0.2471, 0.3171



18.1081, 0.3231, 0.3195



11.6429, 0.5376, 0.2735



1.1545, 0.5075, 0.2570



# Previews

## White Background



This preview shows how the Yxy color 41.4125, 0.3906, 0.2785 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

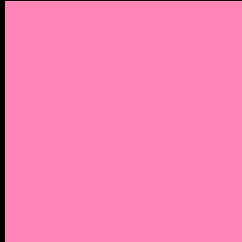
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.4125, 0.3906, 0.2785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

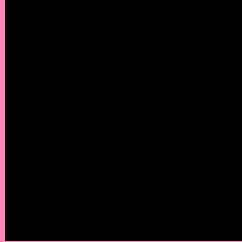
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.4125, 0.3906, 0.2785**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.4125, 0.3906, 0.2785.



This preview shows how white text looks on a background with the Yxy color 41.4125, 0.3906, 0.2785.

# 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

41.4125, 0.3906, 0.2785

### Protanopia

41.5814, 0.2803, 0.2828

### Deuteranopia

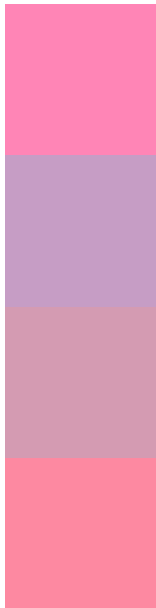
41.4634, 0.3244, 0.3172



## Tritanopia

41.3306, 0.4227, 0.3188

# Trichromacy



**Original Color**

41.4125, 0.3906, 0.2785

**Protanomaly**

40.1509, 0.3160, 0.2793

**Deuteranomaly**

40.6541, 0.3473, 0.3010

**Tritanomaly**

41.3472, 0.4110, 0.3041

# Monochromacy



**Original Color**

41.4125, 0.3906, 0.2785

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

41.1933, 0.3387, 0.3066

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4125, 0.3906, 0.2785 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, 133, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 182)  
}
```

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, 133, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4125, 0.3906, 0.2785 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, 133, 182) }
```

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

```
.border{ border-color:rgb(255, 133, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 133, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 133, 182); box-shadow:4px 4px 4px 4px rgb(255, 133, 182) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4125, 0.3906, 0.2785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 182) }
```

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

```
.background{ background-color: rgb(255,  
133, 182) }
```

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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