

# Converting Colors

$Y_{xy}(64.6789, 0.4730, 0.2937)$

Have a look what the booklet for  
Yxy(64.6789, 0.4730, 0.2937)  
contains.

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# Color

**Yxy(40.8700, 0.3912, 0.2766)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF83B6
RGB	255, 131, 182
RGB Percent	100%, 51%, 71%
CMY	0.0000, 0.4863, 0.2864
CMYK	0.00, 0.49, 0.29, 0.00
HSL	335°, 100%, 76%
HSV	335°, 49%, 100%
XYZ	57.8031, 40.8700, 49.0854
YIQ	173.8900, 57.5330, 42.1490

# Conversions

## Conversions Part 2

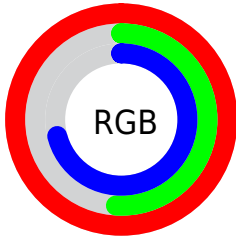
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 131, 182
Decimal	16745398
CIE <sub>Lab</sub>	70.08, 52.56, -4.93
CIE <sub>LCh</sub>	70, 52.794, 354.640
Yxy	40.8700, 0.3912, 0.2766
Android (android.graphics.Color)	4294935478 (0xFFFF83B6)
YUV	173.8900, 3.9982, 71.1335
Hunter-Lab	63.9296, 49.5170, -0.7723

# Details

The Yxy color **40.8700, 0.3912, 0.2766** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.7057, 0.2713, 0.3908**, and the grayscale version is **42.2220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9737, 0.3286, 0.2780**, and **18.4948, 0.4135, 0.2626** is the 20% darker color. If you saturate the color by 10%, you get **34.2533, 0.4168, 0.2678**, and if you desaturate by 10%, it is **49.2351, 0.3690, 0.2871**.

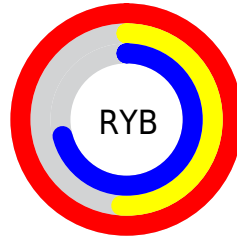
# Distribution



Red (100%)

Green (51%)

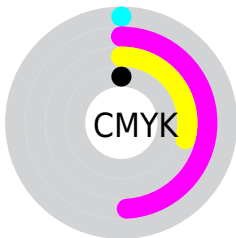
Blue (71%)



Red (100%)

Yellow (51%)

Blue (71%)

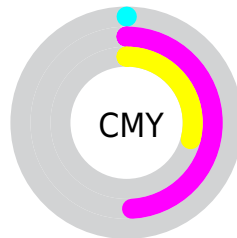


Cyan (0%)

Magenta (49%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8700, 0.3912, 0.2766 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 40.8700, 0.3912, 0.2766 by changing the saturation by 10% instead.





 40.8700, 0.3912,  
0.2766

 40.8700, 0.3912,  
0.2766


349.7770, 0.3516,  
0.3026

 28.2175, 0.4012,  
0.2702


 76.4865, 0.3767,  
0.2860

 18.4897, 0.4140,  
0.2620


 100.2193, 0.3713,  
0.2895

 11.3021, 0.4310,  
0.2513


 128.4144, 0.3668,  
0.2925

 6.2704, 0.4548,  
0.2366

161.4561, 0.3629,  
0.2951

 3.0102, 0.4901,  
0.2153

199.7288, 0.3595,  
0.2974

 1.1371, 0.5470,  
0.1821

243.6169, 0.3565,

 0.0094, 0.7908,

0.2993

0.0054

293.5048, 0.3539,  
0.3011

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 40.8700, 0.3912,  
0.2766

■ 40.8700, 0.3912,  
0.2766

■ 34.2533, 0.4168,  
0.2678

■ 49.2351, 0.3690,  
0.2871

■ 29.2621, 0.4454,  
0.2619

■ 59.4687, 0.3503,  
0.2982

■ 25.7489, 0.4758,  
0.2602

■ 71.6745, 0.3347,  
0.3094

■ 23.5415, 0.5062,  
0.2637

■ 85.9496, 0.3219,  
0.3202

■ 22.3953, 0.5343,  
0.2724

100.0000, 0.3127,  
0.3290

■ 22.2765, 0.5380,  
0.2738

# Harmonies

## Analogous

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



40.8700, 0.3123, 0.2364



40.8700, 0.3912, 0.2766



40.8700, 0.4501, 0.3288

# Triad

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



40.8700, 0.3912, 0.2766



40.8700, 0.3717, 0.4698



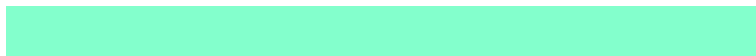
40.8700, 0.1804, 0.2456

# Complementary

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



40.8700, 0.3912, 0.2766



80.7057, 0.2713, 0.3908

# 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.



40.8700, 0.1915, 0.3053



40.8700, 0.3912, 0.2766



40.8700, 0.2982, 0.4542

# Square

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



40.8700, 0.3912, 0.2766



40.8700, 0.4333, 0.4382



40.8700, 0.2325, 0.3869



40.8700, 0.1978, 0.2166



# Rectangle

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



40.8700, 0.3912, 0.2766



40.8700, 0.4652, 0.3665



40.8700, 0.2325, 0.3869



40.8700, 0.1808, 0.2620

# Sweetspot

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



40.8683, 0.3912, 0.2766



76.6102, 0.3298, 0.3134



36.1951, 0.2736, 0.1946



15.7768, 0.3326, 0.3111



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.



40.8683, 0.3912, 0.2766



34.6199, 0.4151, 0.2683



42.0461, 0.4441, 0.3400



18.1109, 0.3229, 0.3193



11.6679, 0.5338, 0.2715



1.1571, 0.5041, 0.2551



# Inverse Universe

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



40.8683, 0.3912, 0.2766



34.6199, 0.4151, 0.2683



77.1482, 0.2463, 0.3169



18.1109, 0.3229, 0.3193



11.6679, 0.5338, 0.2715



1.1571, 0.5041, 0.2551



# Previews

## White Background



This preview shows how the Yxy color 40.8700, 0.3912, 0.2766 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

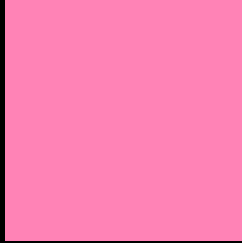
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.8700, 0.3912, 0.2766 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 40.8700, 0.3912, 0.2766**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.8700, 0.3912, 0.2766.

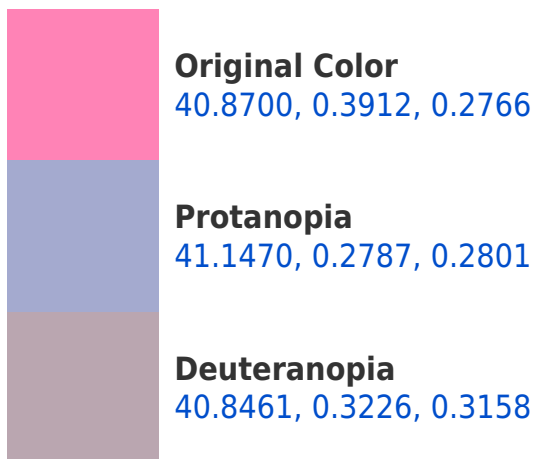


This preview shows how white text looks on a background with the Yxy color 40.8700, 0.3912, 0.2766.

# 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





## Tritanopia

41.0105, 0.4243, 0.3188

# Trichromacy



## Original Color

40.8700, 0.3912, 0.2766



## Protanomaly

39.7245, 0.3142, 0.2767



## Deuteranomaly

39.8457, 0.3467, 0.2985



## Tritanomaly

40.7487, 0.4129, 0.3030

# Monochromacy



## Original Color

40.8700, 0.3912, 0.2766



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

40.3246, 0.3390, 0.3052

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.8700, 0.3912, 0.2766 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, 131, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 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, 131, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 40.8700, 0.3912, 0.2766 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, 131, 182) }
```

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

```
.border{ border-color:rgb(255, 131, 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, 131, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.8700, 0.3912, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 182) }
```

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

```
.background{ background-color: rgb(255,  
131, 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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