

# Converting Colors

$Y_{xy}(46.7610, 0.3754, 0.2893)$

Have a look what the booklet for  
Yxy(46.7610, 0.3754, 0.2893)  
contains.

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# Color

**Yxy(46.8260, 0.3753, 0.2902)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC98BD
RGB	252, 152, 189
RGB Percent	99%, 60%, 74%
CMY	0.0117, 0.4039, 0.2589
CMYK	0.00, 0.40, 0.25, 0.01
HSL	338°, 94%, 79%
HSV	338°, 40%, 99%
XYZ	60.5575, 46.8260, 53.9741
YIQ	186.1180, 47.7230, 32.7070

# Conversions

## Conversions Part 2

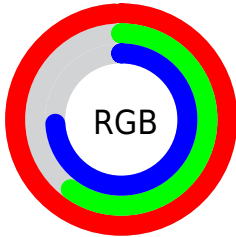
Format	Color
R <sub>Y</sub> B	252, 152, 189
Decimal	16554173
CIE Lab	74.08, 41.97, -2.98
CIE LCh	74, 42.079, 355.943
Yxy	46.8260, 0.3753, 0.2902
Android (android.graphics.Color)	4294744253 (0xFFFC98BD)
YUV	186.1180, 1.4208, 57.7785
Hunter-Lab	68.4295, 38.2141, 1.1354

# Details

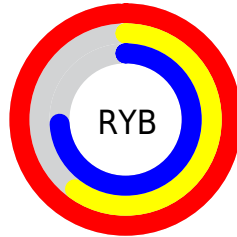
The Yxy color **46.8260, 0.3753, 0.2902** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.2094, 0.2753, 0.3724**, and the grayscale version is **49.1450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9643, 0.3218, 0.2925**, and **22.0387, 0.3918, 0.2795** is the 20% darker color. If you saturate the color by 10%, you get **38.8459, 0.3997, 0.2809**, and if you desaturate by 10%, it is **56.6238, 0.3548, 0.3002**.

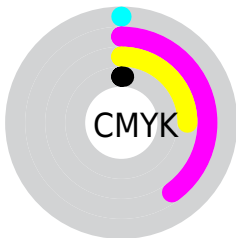
# Distribution



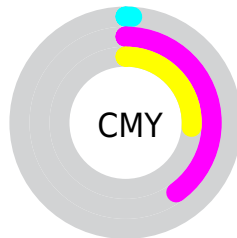
- Red (99%)
- Green (60%)
- Blue (74%)



- Red (99%)
- Yellow (60%)
- Blue (74%)



- Cyan (0%)
- Magenta (40%)
- Yellow (25%)
- Black (1%)




- Cyan (1%)
- Magenta (40%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8260, 0.3753, 0.2902 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 46.8260, 0.3753, 0.2902 by changing the saturation by 10% instead.





 46.8260, 0.3753,  
0.2902


 46.8260, 0.3753,  
0.2902

374.1196, 0.3442,  
0.3093

 32.8981, 0.3830,  
0.2856


 85.4538, 0.3641,  
0.2970

 22.0484, 0.3927,  
0.2797


 110.9226, 0.3598,  
0.2996

 13.8925, 0.4057,  
0.2720


141.0071, 0.3563,  
0.3018

 8.0459, 0.4234,  
0.2614

176.0917, 0.3532,  
0.3037

 4.1243, 0.4495,  
0.2462

216.5609, 0.3505,  
0.3054

 1.7434, 0.4908,  
0.2226

262.7990, 0.3482,

 0.4515, 0.5837,

0.3068

0.1633

315.1904, 0.3461,  
0.3081

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

46.8260, 0.3753,  
0.2902

46.8260, 0.3753,  
0.2902

38.8459, 0.3997,  
0.2809

56.6238, 0.3548,  
0.3002

32.5633, 0.4279,  
0.2734

68.3362, 0.3378,  
0.3103

27.8540, 0.4592,  
0.2688

82.0611, 0.3238,  
0.3201

24.5739, 0.4922,  
0.2684

97.8878, 0.3124,  
0.3293

■ 22.5515, 0.5246,  
0.2732

99.4367, 0.3109,  
0.3290

■ 21.5162, 0.5539,  
0.2827

■ 21.4897, 0.5548,  
0.2830

# Harmonies

## Analogous

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



46.8260, 0.3159, 0.2568



46.8260, 0.3753, 0.2902



46.8260, 0.4185, 0.3331

# Triad

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



46.8260, 0.3753, 0.2902



46.8260, 0.3583, 0.4362



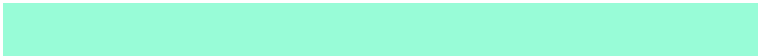
46.8260, 0.2080, 0.2641

# Complementary

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



46.8260, 0.3753, 0.2902



81.2094, 0.2753, 0.3724

# 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.



46.8260, 0.2168, 0.3103



46.8260, 0.3753, 0.2902



46.8260, 0.3010, 0.4199

# Square

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



46.8260, 0.3753, 0.2902



46.8260, 0.4060, 0.4174



46.8260, 0.2496, 0.3701



46.8260, 0.2232, 0.2404



# Rectangle

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



46.8260, 0.3753, 0.2902



46.8260, 0.4297, 0.3636



46.8260, 0.2496, 0.3701



46.8260, 0.2082, 0.2772

# Sweetspot

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



46.8282, 0.3753, 0.2902



80.8259, 0.3268, 0.3179



43.7344, 0.2854, 0.2212



16.8937, 0.3286, 0.3166



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.



46.8282, 0.3753, 0.2902



41.1339, 0.3954, 0.2824



49.3981, 0.4084, 0.3417



17.3313, 0.3236, 0.3203



11.2196, 0.5504, 0.2806



1.0588, 0.5178, 0.2626



# Inverse Universe

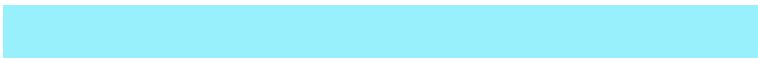
The Inverse Universe completely reimagines the original color for something new.



46.8282, 0.3753, 0.2902



41.1339, 0.3954, 0.2824



76.2253, 0.2558, 0.3155



17.3313, 0.3236, 0.3203



11.2196, 0.5504, 0.2806



1.0588, 0.5178, 0.2626



# Previews

## White Background



This preview shows how the Yxy color 46.8260, 0.3753, 0.2902 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

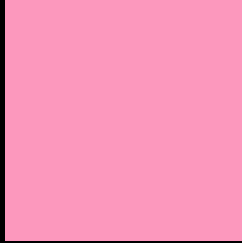
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8260, 0.3753, 0.2902 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

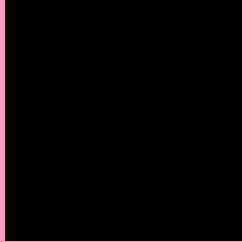
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.8260, 0.3753, 0.2902**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.8260, 0.3753, 0.2902.

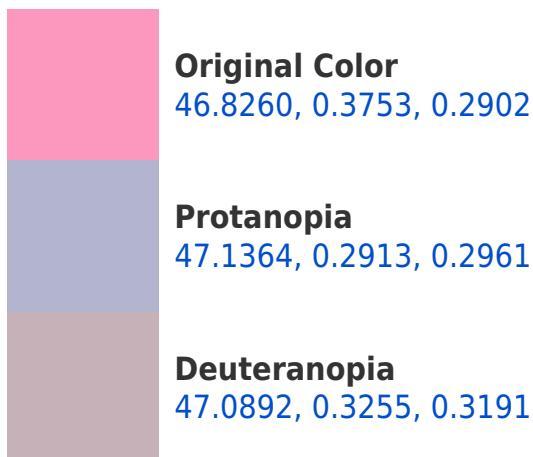


This preview shows how white text looks on a background with the Yxy color 46.8260, 0.3753, 0.2902.

# 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

46.8909, 0.3946, 0.3174

# Trichromacy



## Original Color

46.8260, 0.3753, 0.2902



## Protanomaly

46.0414, 0.3197, 0.2929



## Deuteranomaly

46.4559, 0.3431, 0.3078



## Tritanomaly

47.0471, 0.3877, 0.3079

# Monochromacy



## Original Color

46.8260, 0.3753, 0.2902



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

47.5616, 0.3340, 0.3134

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8260, 0.3753, 0.2902 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(252, 152, 189)` looks like.

```
.text, #text, p{  
    color:rgb(252, 152, 189)  
}
```

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(252, 152, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 152, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8260, 0.3753, 0.2902 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(252, 152, 189) }
```

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

```
.border{ border-color:rgb(252, 152, 189) }
```

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

Here you see how a box with a 4 pixel rgb(252, 152, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 152, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 152, 189);  
box-shadow:4px 4px 4px 4px rgb(252, 152,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8260, 0.3753, 0.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 152, 189) }
```

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

```
.background{ background-color: rgb(252,  
152, 189) }
```

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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