

# Converting Colors

$Y_{xy}(96.3692, 0.5166, 0.3015)$

Have a look what the booklet for  
Yxy(96.3692, 0.5166, 0.3015)  
contains.

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# Color

**Yxy(41.4367, 0.3831, 0.2705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF84BD
RGB	255, 132, 189
RGB Percent	100%, 52%, 74%
CMY	0.0000, 0.4824, 0.2587
CMYK	0.00, 0.48, 0.26, 0.00
HSL	332°, 100%, 76%
HSV	332°, 48%, 100%
XYZ	58.6854, 41.4367, 53.0635
YIQ	175.2750, 55.0110, 43.8030

# Conversions

## Conversions Part 2

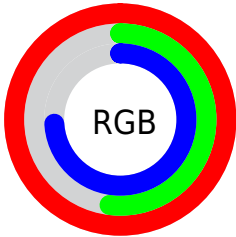
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 132, 189
Decimal	16745661
CIE Lab	70.48, 53.00, -8.28
CIE LCh	70, 53.644, 351.116
Yxy	41.4367, 0.3831, 0.2705
Android (android.graphics.Color)	4294935741 (0xFFFF84BD)
YUV	175.2750, 6.7664, 69.9188
Hunter-Lab	64.3713, 50.0832, -3.8148

# Details

The Yxy color **41.4367, 0.3831, 0.2705** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.4998, 0.2746, 0.3986**, and the grayscale version is **42.9588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8190, 0.3232, 0.2725**, and **18.9621, 0.4030, 0.2553** is the 20% darker color. If you saturate the color by 10%, you get **34.7775, 0.4059, 0.2603**, and if you desaturate by 10%, it is **49.8364, 0.3633, 0.2823**.

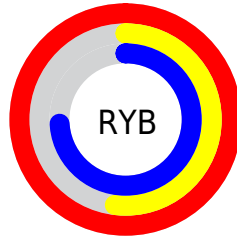
# Distribution



Red (100%)

Green (52%)

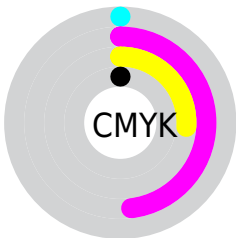
Blue (74%)



Red (100%)

Yellow (52%)

Blue (74%)

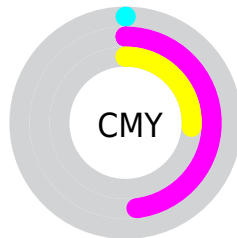


Cyan (0%)

Magenta (48%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (48%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4367, 0.3831, 0.2705 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 41.4367, 0.3831, 0.2705 by changing the saturation by 10% instead.




 41.4367, 0.3831,  
0.2705


 41.4367, 0.3831,  
0.2705

352.1425, 0.3479,  
0.2991

 28.6605, 0.3918,  
0.2636


 77.3464, 0.3703,  
0.2807

 18.8241, 0.4030,  
0.2549


 101.2486, 0.3655,  
0.2846

 11.5433, 0.4178,  
0.2435


 129.6283, 0.3615,  
0.2879

 6.4335, 0.4383,  
0.2281

162.8699, 0.3580,  
0.2908

 3.1104, 0.4684,  
0.2062

201.3577, 0.3550,  
0.2933

 1.1897, 0.5163,  
0.1730

245.4761, 0.3523,

 0.0532, 0.6776,

0.2954

0.0249

295.6096, 0.3500,  
0.2974

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

41.4367, 0.3831,  
0.2705

41.4367, 0.3831,  
0.2705

34.7775, 0.4059,  
0.2603

49.8364, 0.3633,  
0.2823

29.7399, 0.4312,  
0.2531

60.0988, 0.3465,  
0.2949

26.1769, 0.4582,  
0.2500

72.3255, 0.3324,  
0.3074

23.9181, 0.4855,  
0.2523

86.6131, 0.3208,  
0.3195

■ 22.7292, 0.5113,  
0.2599

100.0000, 0.3127,  
0.3290

■ 22.5737, 0.5158,  
0.2615

# Harmonies

## Analogous

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



41.4367, 0.3031, 0.2319



41.4367, 0.3831, 0.2705



41.4367, 0.4467, 0.3221

# Triad

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



41.4367, 0.3831, 0.2705



41.4367, 0.3805, 0.4696



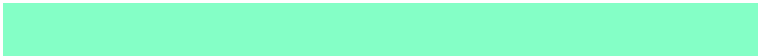
41.4367, 0.1789, 0.2501

# Complementary

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



41.4367, 0.3831, 0.2705



80.4998, 0.2746, 0.3986

# 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.



41.4367, 0.1936, 0.3139



41.4367, 0.3831, 0.2705



41.4367, 0.3066, 0.4607

# Square

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



41.4367, 0.3831, 0.2705



41.4367, 0.4401, 0.4335



41.4367, 0.2383, 0.3973



41.4367, 0.1931, 0.2174



# Rectangle

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



41.4367, 0.3831, 0.2705



41.4367, 0.4658, 0.3599



41.4367, 0.2383, 0.3973



41.4367, 0.1805, 0.2679

# Sweetspot

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



41.4341, 0.3831, 0.2705



78.1273, 0.3272, 0.3126



35.6694, 0.2689, 0.1938



16.0806, 0.3298, 0.3100



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.



41.4341, 0.3831, 0.2705



34.9182, 0.4053, 0.2606



40.5583, 0.4460, 0.3336



18.1272, 0.3221, 0.3180



11.8247, 0.5119, 0.2593



1.1731, 0.4845, 0.2443



# Inverse Universe

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



41.4341, 0.3831, 0.2705



34.9182, 0.4053, 0.2606



81.0560, 0.2480, 0.3241



18.1272, 0.3221, 0.3180



11.8247, 0.5119, 0.2593

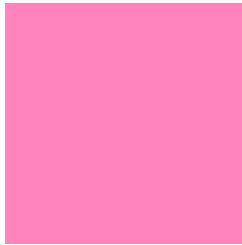


1.1731, 0.4845, 0.2443



# Previews

## White Background



This preview shows how the Yxy color 41.4367, 0.3831, 0.2705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

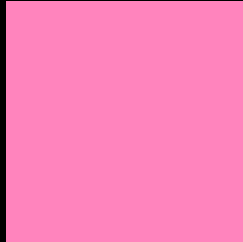
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.4367, 0.3831, 0.2705 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 41.4367, 0.3831, 0.2705**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.4367, 0.3831, 0.2705.



This preview shows how white text looks on a background with the Yxy color 41.4367, 0.3831, 0.2705.

# 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

41.4367, 0.3831, 0.2705

### Protanopia

41.7135, 0.2717, 0.2716

### Deuteranopia

41.7384, 0.3155, 0.3094



## Tritanopia

41.4674, 0.4202, 0.3187

# Trichromacy



## Original Color

41.4367, 0.3831, 0.2705



## Protanomaly

40.3059, 0.3064, 0.2687



## Deuteranomaly

40.6471, 0.3386, 0.2925



## Tritanomaly

41.2671, 0.4066, 0.3008

# Monochromacy



## Original Color

41.4367, 0.3831, 0.2705



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

40.9289, 0.3370, 0.3028

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4367, 0.3831, 0.2705 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, 132, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 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(255, 132, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4367, 0.3831, 0.2705 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, 132, 189) }
```

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

```
.border{ border-color:rgb(255, 132, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4367, 0.3831, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 189) }
```

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

```
.background{ background-color: rgb(255,  
132, 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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