

# Converting Colors

$Yxy(46.3363, 0.3799, 0.2905)$

Have a look what the booklet for  
Yxy(46.3363, 0.3799, 0.2905)  
contains.

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# Color

**Yxy(46.4714, 0.3797, 0.2904)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE96BB
RGB	254, 150, 187
RGB Percent	100%, 59%, 73%
CMY	0.0038, 0.4118, 0.2666
CMYK	0.00, 0.41, 0.26, 0.00
HSL	339°, 98%, 79%
HSV	339°, 41%, 100%
XYZ	60.7617, 46.4714, 52.7924
YIQ	185.3140, 50.1070, 33.5550

# Conversions

## Conversions Part 2

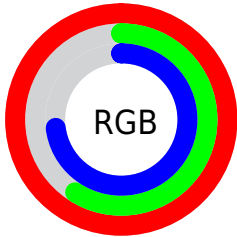
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 150, 187
Decimal	16684731
CIE <sub>Lab</sub>	73.85, 43.44, -2.21
CIE <sub>LCh</sub>	74, 43.495, 357.092
Yxy	46.4714, 0.3797, 0.2904
Android (android.graphics.Color)	4294874811 (0xFFFE96BB)
YUV	185.3140, 0.8312, 60.2376
Hunter-Lab	68.1699, 39.8044, 1.8034

# Details

The Yxy color **46.4714, 0.3797, 0.2904** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.4012, 0.2736, 0.3723**, and the grayscale version is **48.6748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8737, 0.3233, 0.2924**, and **21.8727, 0.3980, 0.2801** is the 20% darker color. If you saturate the color by 10%, you get **38.5660, 0.4052, 0.2816**, and if you desaturate by 10%, it is **56.2183, 0.3582, 0.3000**.

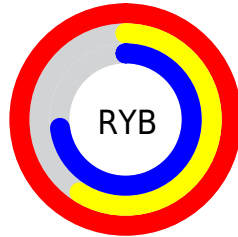
# Distribution



Red (100%)

Green (59%)

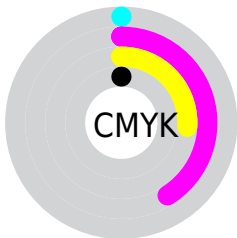
Blue (73%)



Red (100%)

Yellow (59%)

Blue (73%)

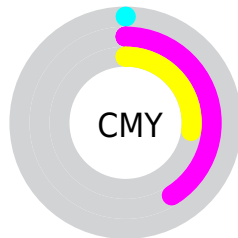


Cyan (0%)

Magenta (41%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (41%)


Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4714, 0.3797, 0.2904 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 46.4714, 0.3797, 0.2904 by changing the saturation by 10% instead.





 46.4714, 0.3797,  
0.2904


 46.4714, 0.3797,  
0.2904


372.7006, 0.3464,  
0.3094

 32.6180, 0.3879,  
0.2857


 84.9241, 0.3676,  
0.2973

 21.8340, 0.3985,  
0.2798


 110.2921, 0.3631,  
0.2998

 13.7349, 0.4124,  
0.2720


140.2671, 0.3593,  
0.3020

 7.9365, 0.4316,  
0.2614

175.2334, 0.3559,  
0.3039

 4.0544, 0.4597,  
0.2459

215.5756, 0.3531,  
0.3056

 1.7040, 0.5044,  
0.2217

261.6779, 0.3506,

 0.4263, 0.6098,

0.3070

0.1592

313.9248, 0.3484,  
0.3083

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

46.4714, 0.3797,  
0.2904

46.4714, 0.3797,  
0.2904

38.5660, 0.4052,  
0.2816

56.2183, 0.3582,  
0.3000

32.3779, 0.4346,  
0.2747

67.9069, 0.3403,  
0.3098

27.7783, 0.4672,  
0.2709

81.6382, 0.3257,  
0.3192

24.6169, 0.5011,  
0.2714

97.5040, 0.3137,  
0.3282

■ 22.7140, 0.5338,  
0.2771

99.8185, 0.3121,  
0.3290

■ 21.8240, 0.5603,  
0.2860

# Harmonies

## Analogous

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



46.4714, 0.3183, 0.2556



46.4714, 0.3797, 0.2904



46.4714, 0.4235, 0.3348

# Triad

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



46.4714, 0.3797, 0.2904



46.4714, 0.3575, 0.4403



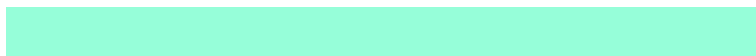
46.4714, 0.2048, 0.2603

# Complementary

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



46.4714, 0.3797, 0.2904



82.4012, 0.2736, 0.3723

# 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.



46.4714, 0.2129, 0.3072



46.4714, 0.3797, 0.2904



46.4714, 0.2981, 0.4221

# Square

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



46.4714, 0.3797, 0.2904



46.4714, 0.4075, 0.4215



46.4714, 0.2456, 0.3693



46.4714, 0.2214, 0.2370



# Rectangle

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



46.4714, 0.3797, 0.2904



46.4714, 0.4341, 0.3661



46.4714, 0.2456, 0.3693



46.4714, 0.2047, 0.2735

# Sweetspot

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



46.4736, 0.3797, 0.2904



80.8016, 0.3271, 0.3183



43.5462, 0.2857, 0.2179



16.8880, 0.3289, 0.3170



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.



46.4736, 0.3797, 0.2904



40.3151, 0.3999, 0.2832



49.7789, 0.4121, 0.3439



18.0939, 0.3238, 0.3206



11.5271, 0.5560, 0.2837



1.1423, 0.5246, 0.2664



# Inverse Universe

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



46.4736, 0.3797, 0.2904



40.3151, 0.3999, 0.2832



76.0584, 0.2539, 0.3130



18.0939, 0.3238, 0.3206



11.5271, 0.5560, 0.2837



1.1423, 0.5246, 0.2664



# Previews

## White Background



This preview shows how the Yxy color 46.4714, 0.3797, 0.2904 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

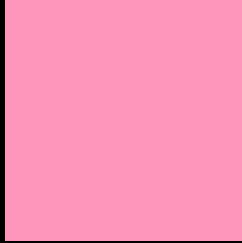
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.4714, 0.3797, 0.2904 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 46.4714, 0.3797, 0.2904**

## Background



This preview shows how black text looks on a background with the Yxy color 46.4714, 0.3797, 0.2904.

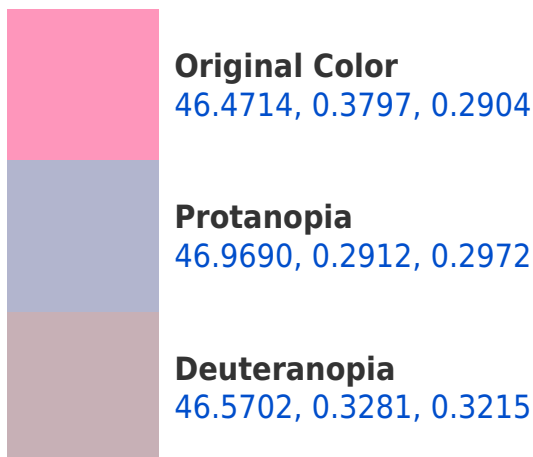


This preview shows how white text looks on a background with the Yxy color 46.4714, 0.3797, 0.2904.

# 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

46.5233, 0.3992, 0.3175

# Trichromacy



## Original Color

46.4714, 0.3797, 0.2904



## Protanomaly

45.9948, 0.3206, 0.2941



## Deuteranomaly

46.1582, 0.3460, 0.3090



## Tritanomaly

46.6822, 0.3923, 0.3081

# Monochromacy



## Original Color

46.4714, 0.3797, 0.2904



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

46.7519, 0.3351, 0.3121

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4714, 0.3797, 0.2904 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(254, 150, 187)` looks like.

```
.text, #text, p{  
    color:rgb(254, 150, 187)  
}
```

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(254, 150, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 150, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4714, 0.3797, 0.2904 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(254, 150, 187) }
```

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

```
.border{ border-color:rgb(254, 150, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 150, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(254, 150, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(254, 150, 187); box-shadow:4px 4px 4px 4px rgb(254, 150, 187) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.4714, 0.3797, 0.2904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 150, 187) }
```

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

```
.background{ background-color: rgb(254,  
150, 187) }
```

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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