

# Converting Colors

$Y_{xy}(48.8171, 0.4178, 0.3064)$

Have a look what the booklet for  
Yxy(48.8171, 0.4178, 0.3064)  
contains.

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# Color

**Yxy(44.7200, 0.3997, 0.3041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF92AA
RGB	255, 146, 170
RGB Percent	100%, 57%, 67%
CMY	0.0000, 0.4275, 0.3334
CMYK	0.00, 0.43, 0.33, 0.00
HSL	347°, 100%, 79%
HSV	347°, 43%, 100%
XYZ	58.7786, 44.7200, 43.5583
YIQ	181.3270, 57.2600, 30.5720

# Conversions

## Conversions Part 2

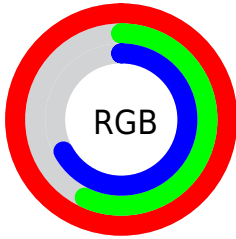
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 146, 170
Decimal	16749226
CIE Lab	72.71, 43.63, 5.58
CIE LCh	73, 43.984, 7.284
Yxy	44.7200, 0.3997, 0.3041
Android (android.graphics.Color)	4294939306 (0xFFFF92AA)
YUV	181.3270, -5.5842, 64.6112
Hunter-Lab	66.8730, 39.8664, 8.1921

# Details

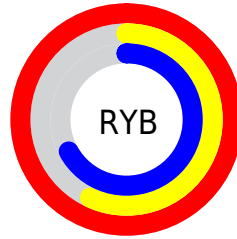
The Yxy color **44.7200, 0.3997, 0.3041** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.4007, 0.2653, 0.3566**, and the grayscale version is **46.3996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9373, 0.3369, 0.3058**, and **20.8725, 0.4253, 0.2964** is the 20% darker color. If you saturate the color by 10%, you get **37.0181, 0.4325, 0.2991**, and if you desaturate by 10%, it is **54.2863, 0.3721, 0.3099**.

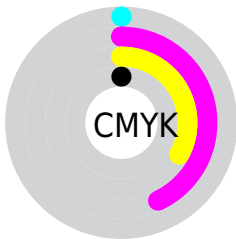
# Distribution



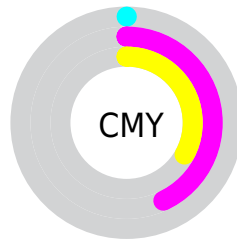
- Red (100%)
- Green (57%)
- Blue (67%)



- Red (100%)
- Yellow (57%)
- Blue (67%)



- Cyan (0%)
- Magenta (43%)
- Yellow (33%)
- Black (0%)



- Cyan (0%)
- Magenta (43%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7200, 0.3997, 0.3041 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 44.7200, 0.3997, 0.3041 by changing the saturation by 10% instead.




 44.7200, 0.3997,  
0.3041


 44.7200, 0.3997,  
0.3041


365.6384, 0.3557,  
0.3173

 31.2369, 0.4108,  
0.3006


 82.3001, 0.3836,  
0.3090

 20.7793, 0.4250,  
0.2961


 107.1659, 0.3776,  
0.3108

 12.9628, 0.4439,  
0.2898


136.5947, 0.3726,  
0.3123

 7.4029, 0.4703,  
0.2808

170.9710, 0.3682,  
0.3136

 3.7153, 0.5093,  
0.2669

210.6791, 0.3645,  
0.3147

 1.5156, 0.5719,  
0.2431

256.1035, 0.3612,

 0.2997, 0.8296,

0.3157

0.1704

307.6284, 0.3583,  
0.3165

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.7200, 0.3997,  
0.3041

44.7200, 0.3997,  
0.3041

37.0181, 0.4325,  
0.2991

54.2863, 0.3721,  
0.3099

31.0614, 0.4701,  
0.2958

65.8326, 0.3495,  
0.3160

26.7106, 0.5108,  
0.2951

79.4606, 0.3311,  
0.3219

23.8068, 0.5510,  
0.2981

95.2662, 0.3163,  
0.3275

■ 22.1581, 0.5861,  
0.3049

100.0000, 0.3127,  
0.3290

■ 21.5468, 0.6062,  
0.3113

# Harmonies

## Analogous

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



44.7200, 0.3403, 0.2646



44.7200, 0.3997, 0.3041



44.7200, 0.4338, 0.3510

# Triad

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



44.7200, 0.3997, 0.3041



44.7200, 0.3379, 0.4416



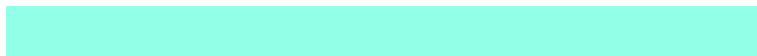
44.7200, 0.2055, 0.2478

# Complementary

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



44.7200, 0.3997, 0.3041



83.4007, 0.2653, 0.3566

# 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.



44.7200, 0.2051, 0.2877



44.7200, 0.3997, 0.3041



44.7200, 0.2778, 0.4092

# Square

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



44.7200, 0.3997, 0.3041



44.7200, 0.3942, 0.4335



44.7200, 0.2300, 0.3481



44.7200, 0.2306, 0.2323



# Rectangle

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



44.7200, 0.3997, 0.3041



44.7200, 0.4359, 0.3827



44.7200, 0.2300, 0.3481



44.7200, 0.2026, 0.2584

# Sweetspot

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



44.7187, 0.3997, 0.3041



79.0882, 0.3315, 0.3218



44.5281, 0.2962, 0.2168



16.2475, 0.3353, 0.3205



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.



44.7187, 0.3997, 0.3041



38.2335, 0.4264, 0.2999



54.0203, 0.4114, 0.3598



18.0525, 0.3260, 0.3238



11.2767, 0.6025, 0.3093



1.1134, 0.5719, 0.2924



# Inverse Universe

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



44.7187, 0.3997, 0.3041



38.2335, 0.4264, 0.2999



67.6868, 0.2488, 0.2950



18.0525, 0.3260, 0.3238



11.2767, 0.6025, 0.3093



1.1134, 0.5719, 0.2924



# Previews

## White Background



This preview shows how the Yxy color 44.7200, 0.3997, 0.3041 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

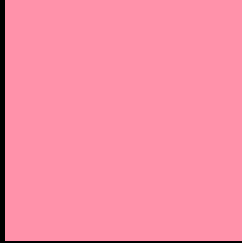
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.7200, 0.3997, 0.3041 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 44.7200, 0.3997, 0.3041**

## Background



This preview shows how black text looks on a background with the Yxy color 44.7200, 0.3997, 0.3041.



This preview shows how white text looks on a background with the Yxy color 44.7200, 0.3997, 0.3041.

# 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

44.7200, 0.3997, 0.3041

### Protanopia

45.0553, 0.3056, 0.3159

### Deuteranopia

45.0213, 0.3453, 0.3392



## Tritanopia

44.7538, 0.4097, 0.3177

# Trichromacy



## Original Color

44.7200, 0.3997, 0.3041



## Protanomaly

43.8740, 0.3378, 0.3106



## Deuteranomaly

44.3566, 0.3649, 0.3244



## Tritanomaly

44.5826, 0.4059, 0.3124

# Monochromacy



## Original Color

44.7200, 0.3997, 0.3041



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

44.5895, 0.3420, 0.3180

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7200, 0.3997, 0.3041 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, 146, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 170)  
}
```

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, 146, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7200, 0.3997, 0.3041 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, 146, 170) }
```

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

```
.border{ border-color:rgb(255, 146, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 146, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 146, 170); box-shadow:4px 4px 4px 4px rgb(255, 146, 170) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7200, 0.3997, 0.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 170) }
```

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

```
.background{ background-color: rgb(255,  
146, 170) }
```

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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