

# Converting Colors

$Y_{xy}(41.4366, 0.4388, 0.2806)$

Have a look what the booklet for  
Yxy(41.4366, 0.4388, 0.2806)  
contains.

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# Color

**Yxy(35.8974, 0.4131, 0.2736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF71A8
RGB	255, 113, 168
RGB Percent	100%, 44%, 66%
CMY	0.0002, 0.5567, 0.3413
CMYK	0.00, 0.56, 0.34, 0.00
HSL	337°, 100%, 72%
HSV	337°, 56%, 100%
XYZ	54.2004, 35.8974, 41.1062
YIQ	161.7280, 66.9770, 47.2090

# Conversions

## Conversions Part 2

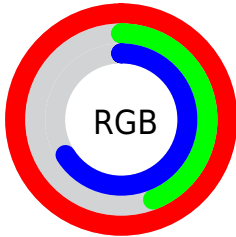
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 113, 168
Decimal	16740776
CIE <sub>Lab</sub>	66.44, 59.28, -2.41
CIE <sub>LCh</sub>	66, 59.325, 357.674
Yxy	35.8974, 0.4131, 0.2736
Android (android.graphics.Color)	4294930856 (0xFFFF71A8)
YUV	161.7280, 3.0921, 81.7995
Hunter-Lab	59.9144, 56.6260, 1.2623

# Details

The Yxy color **35.8974, 0.4131, 0.2736** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.1800, 0.2659, 0.3972**, and the grayscale version is **35.9647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9636, 0.3429, 0.2741**, and **15.6914, 0.4446, 0.2577** is the 20% darker color. If you saturate the color by 10%, you get **30.4367, 0.4423, 0.2673**, and if you desaturate by 10%, it is **43.0294, 0.3873, 0.2824**.

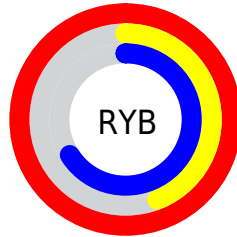
# Distribution



Red (100%)

Green (44%)

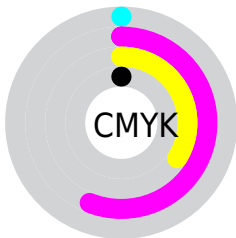
Blue (66%)



Red (100%)

Yellow (44%)

Blue (66%)

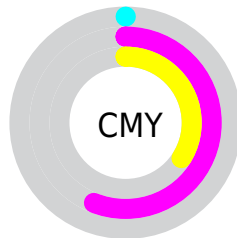


Cyan (0%)

Magenta (56%)

Yellow (34%)

Black (0%)



Cyan (0%)

Magenta (56%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8974, 0.4131, 0.2736 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 35.8974, 0.4131, 0.2736 by changing the saturation by 10% instead.





 35.8974, 0.4131,  
0.2736


 35.8974, 0.4131,  
0.2736


328.5119, 0.3613,  
0.3019


 24.3550, 0.4265,  
0.2664


 68.8737, 0.3939,  
0.2840

 15.5971, 0.4439,  
0.2570


 91.0763, 0.3868,  
0.2879

 9.2395, 0.4674,  
0.2445


 117.6011, 0.3808,  
0.2912

 4.8978, 0.5007,  
0.2270

148.8325, 0.3758,  
0.2939

 2.1874, 0.5510,  
0.2008

185.1549, 0.3714,  
0.2964

 0.7131, 0.6352,  
0.1569

226.9527, 0.3676,


 0.0000, 1.0000,

0.2985

0.0000

274.6102, 0.3642,  
0.3003


 0.0000, 0.0000,  
0.0000


 35.8974, 0.4131,  
0.2736


 35.8974, 0.4131,  
0.2736

 30.4367, 0.4423,  
0.2673


 43.0294, 0.3873,  
0.2824


 26.5018, 0.4739,  
0.2647


 51.9512, 0.3652,  
0.2926

 23.9311, 0.5059,  
0.2671

 62.7768, 0.3466,  
0.3031

 22.5228, 0.5358,  
0.2748

 75.6091, 0.3313,  
0.3136

 22.1474, 0.5479,  
0.2792

 90.5436, 0.3188,  
0.3236

99.9925, 0.3127,  
0.3290

# Harmonies

## Analogous

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



35.8974, 0.3206, 0.2270



35.8974, 0.4131, 0.2736



35.8974, 0.4779, 0.3325

# Triad

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



35.8974, 0.4131, 0.2736



35.8974, 0.3696, 0.4953



35.8974, 0.1627, 0.2266

# Complementary

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



35.8974, 0.4131, 0.2736



79.1800, 0.2659, 0.3972

# 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.



35.8974, 0.1709, 0.2906



35.8974, 0.4131, 0.2736



35.8974, 0.2851, 0.4733

# Square

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



35.8974, 0.4131, 0.2736



35.8974, 0.4438, 0.4575



35.8974, 0.2127, 0.3870



35.8974, 0.1852, 0.1988



# Rectangle

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



35.8974, 0.4131, 0.2736



35.8974, 0.4903, 0.3748



35.8974, 0.2127, 0.3870



35.8974, 0.1619, 0.2436

# Sweetspot

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



35.8992, 0.4131, 0.2736



73.7975, 0.3332, 0.3122



31.0702, 0.2680, 0.1761



15.2202, 0.3361, 0.3101



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.



35.8992, 0.4131, 0.2736



29.8350, 0.4464, 0.2667



37.6859, 0.4725, 0.3436



18.1035, 0.3233, 0.3198



11.6036, 0.5437, 0.2769



1.1504, 0.5131, 0.2600



# Inverse Universe

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



35.8992, 0.4131, 0.2736



29.8350, 0.4464, 0.2667



73.5051, 0.2388, 0.3121



18.1035, 0.3233, 0.3198



11.6036, 0.5437, 0.2769



1.1504, 0.5131, 0.2600



# Previews

## White Background



This preview shows how the Yxy color 35.8974, 0.4131, 0.2736 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 35.8974, 0.4131, 0.2736 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 35.8974, 0.4131, 0.2736**

## Background



This preview shows how black text looks on a background with the Yxy color 35.8974, 0.4131, 0.2736.



This preview shows how white text looks on a background with the Yxy color 35.8974, 0.4131, 0.2736.

# 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

35.8974, 0.4131, 0.2736

### Protanopia

36.0889, 0.2762, 0.2762

### Deuteranopia

36.1521, 0.3297, 0.3235



## Tritanopia

35.9552, 0.4552, 0.3212

# Trichromacy



## Original Color

35.8974, 0.4131, 0.2736



## Protanomaly

34.3091, 0.3194, 0.2721



## Deuteranomaly

34.8519, 0.3587, 0.3000



## Tritanomaly

35.8227, 0.4405, 0.3038

# Monochromacy



## Original Color

35.8974, 0.4131, 0.2736



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

34.3626, 0.3475, 0.3028

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.8974, 0.4131, 0.2736 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, 113, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 168)  
}
```

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, 113, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 35.8974, 0.4131, 0.2736 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, 113, 168) }
```

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

```
.border{ border-color:rgb(255, 113, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 113, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 113, 168); box-shadow:4px 4px 4px 4px rgb(255, 113, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.8974, 0.4131, 0.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 168) }
```

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

```
.background{ background-color: rgb(255,  
113, 168) }
```

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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