

# Converting Colors

$Y_{xy}(44.9641, 0.3701, 0.2713)$

Have a look what the booklet for  
Yxy(44.9641, 0.3701, 0.2713)  
contains.

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# Color

**Yxy(45.0284, 0.3700, 0.2714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8FC7
RGB	255, 143, 199
RGB Percent	100%, 56%, 78%
CMY	0.0000, 0.4393, 0.2196
CMYK	0.00, 0.44, 0.22, 0.00
HSL	330°, 100%, 78%
HSV	330°, 44%, 100%
XYZ	61.3873, 45.0284, 59.4959
YIQ	182.8720, 48.7760, 41.1600

# Conversions

## Conversions Part 2

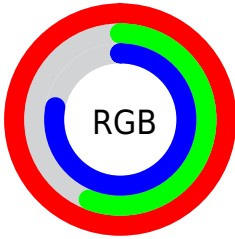
<b>Format</b>	<b>Color</b>
RYB	255, 143, 199
Decimal	16748487
CIELab	72.91, 48.96, -10.21
CIElCh	73, 50.017, 348.217
Yxy	45.0284, 0.3700, 0.2714
Android (android.graphics.Color)	4294938567 (0xFFFF8FC7)
YUV	182.8720, 7.9511, 63.2563
Hunter-Lab	67.1032, 45.8646, -5.5962

# Details

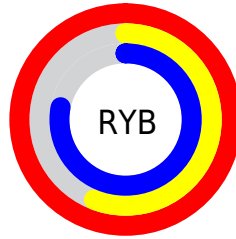
The Yxy color **45.0284, 0.3700, 0.2714** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.4785, 0.2792, 0.3963**, and the grayscale version is **47.2055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **20.9249, 0.3857, 0.2566** is the 20% darker color. If you saturate the color by 10%, you get **37.6490, 0.3897, 0.2595**, and if you desaturate by 10%, it is **54.1804, 0.3528, 0.2846**.

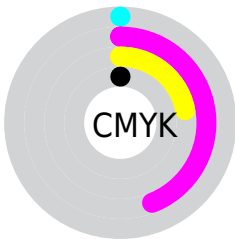
# Distribution



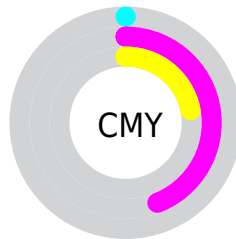
- Red (100%)
- Green (56%)
- Blue (78%)



- Red (100%)
- Yellow (56%)
- Blue (78%)



- Cyan (0%)
- Magenta (44%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0284, 0.3700, 0.2714 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 45.0284, 0.3700, 0.2714 by changing the saturation by 10% instead.





 45.0284, 0.3700,  
0.2714

 45.0284, 0.3700,  
0.2714


366.8886, 0.3419,  
0.2991

 31.4798, 0.3768,  
0.2648


 82.7630, 0.3599,  
0.2812

 20.9645, 0.3855,  
0.2566


 107.7178, 0.3561,  
0.2849

 13.0980, 0.3969,  
0.2460


137.2435, 0.3528,  
0.2881

 7.4961, 0.4124,  
0.2319

171.7244, 0.3500,  
0.2909

 3.7742, 0.4347,  
0.2121

211.5450, 0.3476,  
0.2933

 1.5481, 0.4693,  
0.1827

257.0896, 0.3455,

 0.3222, 0.5484,

0.2955

0.1046

308.7427, 0.3436,  
0.2974

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.0284, 0.3700,  
0.2714

■ 45.0284, 0.3700,  
0.2714

■ 37.6490, 0.3897,  
0.2595

■ 54.1804, 0.3528,  
0.2846

■ 31.9466, 0.4120,  
0.2500

■ 65.2393, 0.3383,  
0.2981

■ 27.7771, 0.4362,  
0.2442

■ 78.2974, 0.3262,  
0.3114

■ 24.9831, 0.4613,  
0.2432

■ 93.4481, 0.3162,  
0.3242

■ 23.3726, 0.4857,  
0.2478

100.0000, 0.3127,  
0.3290

■ 22.8070, 0.5000,  
0.2528

# Harmonies

## Analogous

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



45.0284, 0.2976, 0.2369



45.0284, 0.3700, 0.2714



45.0284, 0.4301, 0.3187

# Triad

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



45.0284, 0.3700, 0.2714



45.0284, 0.3819, 0.4552



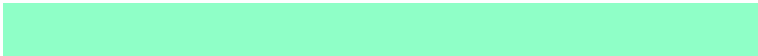
45.0284, 0.1896, 0.2621

# Complementary

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



45.0284, 0.3700, 0.2714



81.4785, 0.2792, 0.3963

# 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.



45.0284, 0.2064, 0.3230



45.0284, 0.3700, 0.2714



45.0284, 0.3148, 0.4503

# Square

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



45.0284, 0.3700, 0.2714



45.0284, 0.4336, 0.4216



45.0284, 0.2507, 0.3974



45.0284, 0.2002, 0.2284



# Rectangle

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



45.0284, 0.3700, 0.2714



45.0284, 0.4505, 0.3537



45.0284, 0.2507, 0.3974



45.0284, 0.1921, 0.2795

# Sweetspot

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



45.0201, 0.3699, 0.2714



79.6214, 0.3252, 0.3127



38.7422, 0.2693, 0.2049



16.3783, 0.3276, 0.3098



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.



45.0201, 0.3699, 0.2714



38.2644, 0.3878, 0.2605



42.9353, 0.4282, 0.3274



18.1387, 0.3215, 0.3172



11.9473, 0.4963, 0.2508



1.1853, 0.4709, 0.2368



# Inverse Universe

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



45.0201, 0.3699, 0.2714



38.2644, 0.3878, 0.2605



84.4573, 0.2540, 0.3309



18.1387, 0.3215, 0.3172



11.9473, 0.4963, 0.2508



1.1853, 0.4709, 0.2368



# Previews

## White Background



This preview shows how the Yxy color 45.0284, 0.3700, 0.2714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

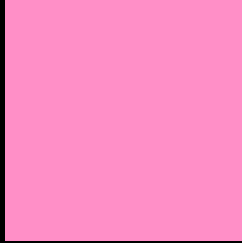
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.0284, 0.3700, 0.2714 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 45.0284, 0.3700, 0.2714**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.0284, 0.3700, 0.2714.



This preview shows how white text looks on a background with the Yxy color 45.0284, 0.3700, 0.2714.

# 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

45.0284, 0.3700, 0.2714

### Protanopia

45.5497, 0.2730, 0.2735

### Deuteranopia

45.1143, 0.3104, 0.3037



## Tritanopia

44.8951, 0.4040, 0.3175

# Trichromacy



## Original Color

45.0284, 0.3700, 0.2714



## Protanomaly

44.0447, 0.3032, 0.2703



## Deuteranomaly

44.4760, 0.3311, 0.2899



## Tritanomaly

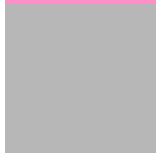
44.6580, 0.3912, 0.2996

# Monochromacy



## Original Color

45.0284, 0.3700, 0.2714



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

45.2347, 0.3321, 0.3036

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0284, 0.3700, 0.2714 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, 143, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 199)  
}
```

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, 143, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0284, 0.3700, 0.2714 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, 143, 199) }
```

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

```
.border{ border-color:rgb(255, 143, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0284, 0.3700, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 199) }
```

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

```
.background{ background-color: rgb(255,  
143, 199) }
```

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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