

# Converting Colors

$Y_{xy}(45.6081, 0.3579, 0.2598)$

Have a look what the booklet for  
Yxy(45.6081, 0.3579, 0.2598)  
contains.

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# Color

**Yxy(45.6081, 0.3579, 0.2598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8FD3
RGB	255, 143, 211
RGB Percent	100%, 56%, 83%
CMY	0.0000, 0.4393, 0.1726
CMYK	0.00, 0.44, 0.17, 0.00
HSL	324°, 100%, 78%
HSV	324°, 44%, 100%
XYZ	62.8296, 45.6081, 67.1131
YIQ	184.2400, 44.9240, 44.8920

# Conversions

## Conversions Part 2

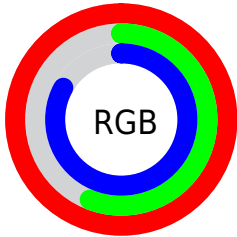
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 143, 211
Decimal	16748499
CIE Lab	73.29, 50.68, -16.26
CIE LCh	73, 53.228, 342.215
Yxy	45.6081, 0.3579, 0.2598
Android (android.graphics.Color)	4294938579 (0xFFFF8FD3)
YUV	184.2400, 13.1927, 62.0565
Hunter-Lab	67.5338, 47.8823, -11.6470

# Details

The Yxy color **45.6081, 0.3579, 0.2598** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.9459, 0.2850, 0.4116**, and the grayscale version is **47.9726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **21.2808, 0.3697, 0.2433** is the 20% darker color. If you saturate the color by 10%, you get **38.3115, 0.3729, 0.2455**, and if you desaturate by 10%, it is **54.6655, 0.3447, 0.2755**.

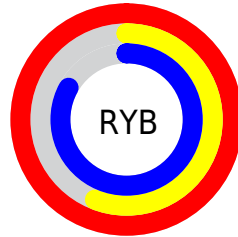
# Distribution



Red (100%)

Green (56%)

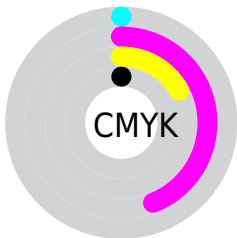
Blue (83%)



Red (100%)

Yellow (56%)

Blue (83%)

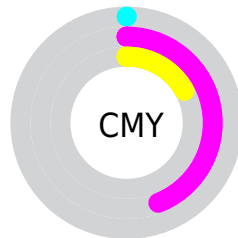


Cyan (0%)

Magenta (44%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (44%)


Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6081, 0.3579, 0.2598 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 45.6081, 0.3579, 0.2598 by changing the saturation by 10% instead.





 45.6081, 0.3579,  
0.2598

 45.6081, 0.3579,  
0.2598


369.2308, 0.3363,  
0.2924

 31.9367, 0.3630,  
0.2522


 83.6322, 0.3503,  
0.2712

 21.3131, 0.3694,  
0.2429


 108.7536, 0.3473,  
0.2756

 13.3531, 0.3776,  
0.2309


138.4605, 0.3448,  
0.2794

 7.6721, 0.3886,  
0.2152

173.1373, 0.3427,  
0.2827

 3.8859, 0.4040,  
0.1938

213.1683, 0.3408,  
0.2856

 1.6099, 0.4267,  
0.1631

258.9380, 0.3391,

 0.3643, 0.4747,

0.2881

0.0949

310.8307, 0.3376,  
0.2904

0.0000, 0.6184,  
0.0000

0.0000, 0.0000,  
0.0000

45.6081, 0.3579,  
0.2598

45.6081, 0.3579,  
0.2598

38.3115, 0.3729,  
0.2455

54.6655, 0.3447,  
0.2755

32.6712, 0.3895,  
0.2336

65.6078, 0.3333,  
0.2917

28.5468, 0.4073,  
0.2255

78.5299, 0.3236,  
0.3078

25.7819, 0.4256,  
0.2222

93.5246, 0.3155,  
0.3232

■ 24.1851, 0.4436,  
0.2243

100.0000, 0.3127,  
0.3290

■ 23.6203, 0.4543,  
0.2276

# Harmonies

## Analogous

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



45.6081, 0.2821, 0.2273



45.6081, 0.3579, 0.2598



45.6081, 0.4268, 0.3070

# Triad

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



45.6081, 0.3579, 0.2598



45.6081, 0.3978, 0.4576



45.6081, 0.1845, 0.2685

# Complementary

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



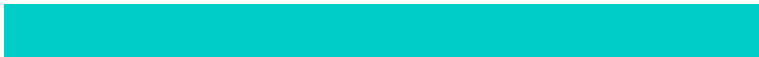
45.6081, 0.3579, 0.2598



80.9459, 0.2850, 0.4116

# 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.



45.6081, 0.2077, 0.3378



45.6081, 0.3579, 0.2598



45.6081, 0.3288, 0.4635

# Square

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



45.6081, 0.3579, 0.2598



45.6081, 0.4475, 0.4159



45.6081, 0.2591, 0.4164



45.6081, 0.1901, 0.2277



# Rectangle

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



45.6081, 0.3579, 0.2598



45.6081, 0.4543, 0.3430



45.6081, 0.2591, 0.4164



45.6081, 0.1890, 0.2888

# Sweetspot

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



45.6030, 0.3579, 0.2598



79.8323, 0.3228, 0.3092



37.2898, 0.2605, 0.2019



16.4304, 0.3248, 0.3057



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.



45.6030, 0.3579, 0.2598



38.9165, 0.3714, 0.2467



43.3024, 0.4159, 0.3156



18.1724, 0.3199, 0.3147



12.3723, 0.4515, 0.2261



1.2262, 0.4325, 0.2156



# Inverse Universe

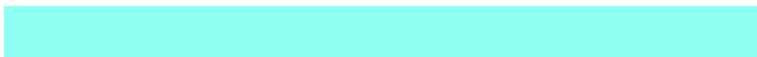
The Inverse Universe completely reimagines the original color for something new.



45.6030, 0.3579, 0.2598



38.9165, 0.3714, 0.2467



83.7649, 0.2590, 0.3438



18.1724, 0.3199, 0.3147



12.3723, 0.4515, 0.2261



1.2262, 0.4325, 0.2156



# Previews

## White Background



This preview shows how the Yxy color 45.6081, 0.3579, 0.2598 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

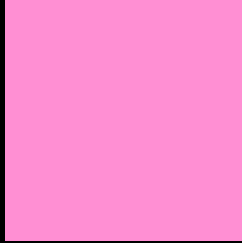
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6081, 0.3579, 0.2598 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 45.6081, 0.3579, 0.2598**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.6081, 0.3579, 0.2598.

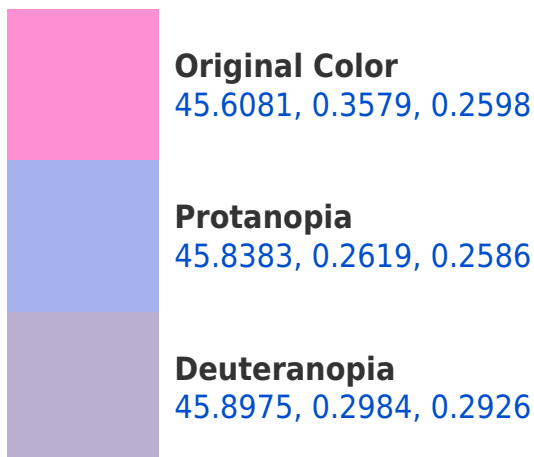


This preview shows how white text looks on a background with the Yxy color 45.6081, 0.3579, 0.2598.

# 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

45.4608, 0.3992, 0.3164

# Trichromacy



## Original Color

45.6081, 0.3579, 0.2598



## Protanomaly

44.4070, 0.2922, 0.2571



## Deuteranomaly

44.9048, 0.3187, 0.2784



## Tritanomaly

45.5265, 0.3843, 0.2954

# Monochromacy



## Original Color

45.6081, 0.3579, 0.2598



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

45.9726, 0.3285, 0.2991

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6081, 0.3579, 0.2598 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6081, 0.3579, 0.2598 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, 211) }
```

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

```
.border{ border-color:rgb(255, 143, 211) }
```

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, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6081, 0.3579, 0.2598 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, 211) }
```

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

```
.background{ background-color: rgb(255,  
143, 211) }
```

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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