

# Converting Colors

$Y_{xy}(76.5583, 0.3106, 0.2906)$

Have a look what the booklet for  
Yxy(76.5583, 0.3106, 0.2906)  
contains.

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# Color

**Yxy(76.4715, 0.3103, 0.2905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9D8FF
RGB	249, 216, 255
RGB Percent	98%, 85%, 100%
CMY	0.0234, 0.1530, 0.0000
CMYK	0.02, 0.15, 0.00, 0.00
HSL	291°, 100%, 92%
HSV	291°, 15%, 100%
XYZ	81.6837, 76.4715, 105.0858
YIQ	230.3130, 7.1490, 19.1250

# Conversions

## Conversions Part 2

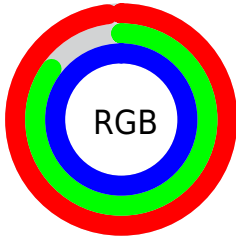
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	249, 216, 255
Decimal	16374015
CIE Lab	90.08, 18.14, -14.75
CIE LCh	90, 23.385, 320.879
Yxy	76.4715, 0.3103, 0.2905
Android (android.graphics.Color)	4294564095 (0xFFFF9D8FF)
YUV	230.3130, 12.1707, 16.3885
Hunter-Lab	87.4480, 13.6998, -10.0349

# Details

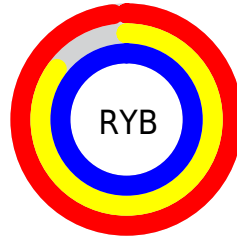
The Yxy color  $76.4715, 0.3103, 0.2905$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $92.0012, 0.3145, 0.3697$ , and the grayscale version is  $79.2811, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $40.7734, 0.3094, 0.2824$  is the 20% darker color. If you saturate the color by 10%, you get  $63.6958, 0.3082, 0.2643$ , and if you desaturate by 10%, it is  $91.2924, 0.3120, 0.3160$ .

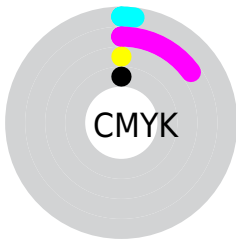
# Distribution



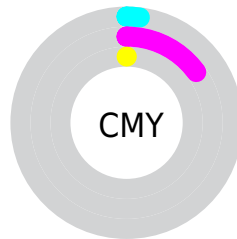
- Red (98%)
- Green (85%)
- Blue (100%)



- Red (98%)
- Yellow (85%)
- Blue (100%)



- Cyan (2%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (15%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4715, 0.3103, 0.2905 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 76.4715, 0.3103, 0.2905 by changing the saturation by 10% instead.



 76.4715, 0.3103,  
0.2905

 76.4715, 0.3103,  
0.2905


482.9602, 0.3116,  
0.3076

 56.8192, 0.3100,  
0.2867


128.3932, 0.3108,  
0.2963

 40.8601, 0.3095,  
0.2822


161.4314, 0.3110,  
0.2986

 28.2098, 0.3089,  
0.2765


199.7003, 0.3111,  
0.3006

 18.4839, 0.3081,  
0.2693

243.5844, 0.3113,  
0.3024

 11.2979, 0.3069,  
0.2599

293.4680, 0.3114,  
0.3039

 6.2676, 0.3050,  
0.2469

349.7356, 0.3115,

 3.0085, 0.3018,

0.3053

0.2280

412.7716, 0.3116,  
0.3065

■ 1.1362, 0.2954,  
0.1984

■ 0.0086, 0.3002,  
0.0057

■ 76.4715, 0.3103,  
0.2905

■ 76.4715, 0.3103,  
0.2905

■ 63.6958, 0.3082,  
0.2643

■ 91.2924, 0.3120,  
0.3160

■ 52.8677, 0.3057,  
0.2382

100.0000, 0.3127,  
0.3290

■ 43.8880, 0.3028,  
0.2130

■ 36.6470, 0.2994,  
0.1898

■ 31.0235, 0.2957,  
0.1697

■ 26.8803, 0.2917,  
0.1536

■ 24.0578, 0.2877,  
0.1419

■ 22.3584, 0.2836,  
0.1348

■ 21.8145, 0.2817,  
0.1326

# Harmonies

## Analogous

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



76.4715, 0.2842, 0.2832



76.4715, 0.3103, 0.2905



76.4715, 0.3382, 0.3069

# Triad

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



76.4715, 0.3103, 0.2905



76.4715, 0.3606, 0.3704



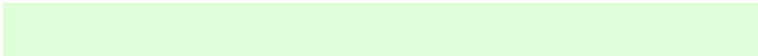
76.4715, 0.2677, 0.3262

# Complementary

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



76.4715, 0.3103, 0.2905



92.0012, 0.3145, 0.3697

# 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.



76.4715, 0.2867, 0.3524



76.4715, 0.3103, 0.2905



76.4715, 0.3403, 0.3784

# Square

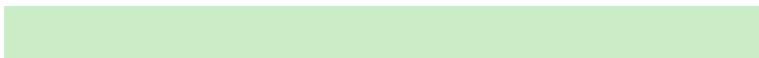
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



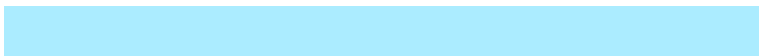
76.4715, 0.3103, 0.2905



76.4715, 0.3680, 0.3519



76.4715, 0.3132, 0.3721



76.4715, 0.2604, 0.3023



# Rectangle

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



76.4715, 0.3103, 0.2905



76.4715, 0.3537, 0.3212



76.4715, 0.3132, 0.3721



76.4715, 0.2729, 0.3351

# Sweetspot

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



76.4730, 0.3103, 0.2905



91.7649, 0.3120, 0.3167



74.3229, 0.2881, 0.2949



19.4029, 0.3119, 0.3150



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.



76.4730, 0.3103, 0.2905



72.8219, 0.3098, 0.2835



76.7784, 0.3233, 0.3033



18.1513, 0.3113, 0.3054



11.4517, 0.2824, 0.1329



1.1514, 0.2871, 0.1355



# Inverse Universe

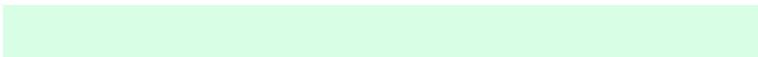
The Inverse Universe completely reimagines the original color for something new.



75.6397, 0.3373, 0.3231



71.8744, 0.3426, 0.3220



91.7746, 0.3035, 0.3561



18.0324, 0.3270, 0.3254



11.1989, 0.6192, 0.3184



1.1030, 0.5920, 0.3035



# Previews

## White Background



This preview shows how the Yxy color 76.4715, 0.3103, 0.2905 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

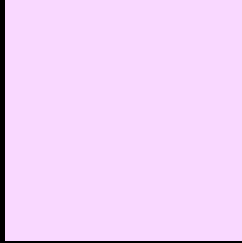
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4715, 0.3103, 0.2905 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

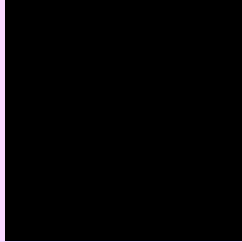
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

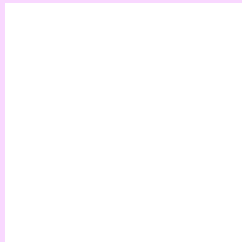
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.4715, 0.3103, 0.2905**

## Background



This preview shows how black text looks on a background with the Yxy color 76.4715, 0.3103, 0.2905.

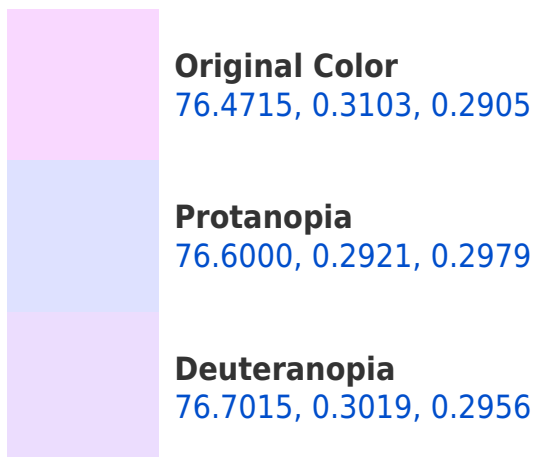


This preview shows how white text looks on a background with the Yxy color 76.4715, 0.3103, 0.2905.

# 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

76.3120, 0.3207, 0.3118

# Trichromacy



## Original Color

76.4715, 0.3103, 0.2905

## Protanomaly

76.6184, 0.2986, 0.2954

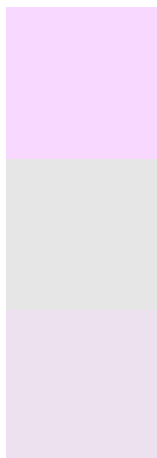
## Deuteranomaly

76.5196, 0.3053, 0.2939

## Tritanomaly

76.3880, 0.3167, 0.3039

# Monochromacy



## Original Color

76.4715, 0.3103, 0.2905

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

78.0869, 0.3120, 0.3147

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4715, 0.3103, 0.2905 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(249, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 216, 255)  
}
```

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(249, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 216, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4715, 0.3103, 0.2905 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(249, 216, 255) }
```

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

```
.border{ border-color:rgb(249, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 216,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4715, 0.3103, 0.2905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 216, 255) }
```

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

```
.background{ background-color: rgb(249,  
216, 255) }
```

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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