

# Converting Colors

$Y_{xy}(76.8903, 0.3228, 0.3028)$

Have a look what the booklet for  
Yxy(76.8903, 0.3228, 0.3028)  
contains.

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# Color

**Yxy(76.8428, 0.3226, 0.3024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD8F3
RGB	255, 216, 243
RGB Percent	100%, 85%, 95%
CMY	0.0000, 0.1529, 0.0471
CMYK	0.00, 0.15, 0.05, 0.00
HSL	318°, 100%, 92%
HSV	318°, 15%, 100%
XYZ	81.9758, 76.8428, 95.2912
YIQ	230.7390, 14.5770, 16.6650

# Conversions

## Conversions Part 2

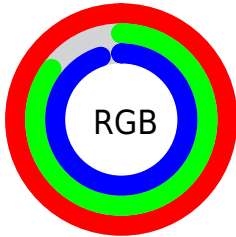
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 216, 243
Decimal	16767219
CIE Lab	90.25, 17.97, -8.12
CIE LCh	90, 19.718, 335.690
Yxy	76.8428, 0.3226, 0.3024
Android (android.graphics.Color)	4294957299 (0xFFFFD8F3)
YUV	230.7390, 6.0447, 21.2769
Hunter-Lab	87.6600, 13.5203, -3.0894

# Details

The Yxy color **76.8428, 0.3226, 0.3024** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.7217, 0.3041, 0.3572**, and the grayscale version is **79.6517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0834, 0.3246, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **64.3102, 0.3305, 0.2842**, and if you desaturate by 10%, it is **91.4232, 0.3158, 0.3200**.

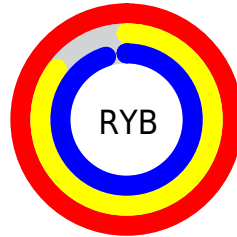
# Distribution



Red (100%)

Green (85%)

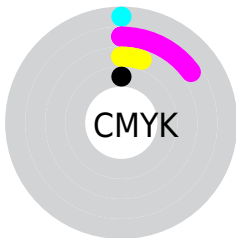
Blue (95%)



Red (100%)

Yellow (85%)

Blue (95%)

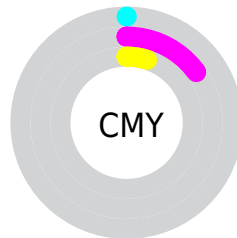


Cyan (0%)

Magenta (15%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8428, 0.3226, 0.3024 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 76.8428, 0.3226, 0.3024 by changing the saturation by 10% instead.



 76.8428, 0.3226,  
0.3024

 76.8428, 0.3226,  
0.3024


484.2279, 0.3182,  
0.3143

 57.1239, 0.3236,  
0.2998


128.9176, 0.3211,  
0.3065

 41.1047, 0.3247,  
0.2966


162.0422, 0.3205,  
0.3081

 28.4009, 0.3262,  
0.2925


200.4041, 0.3200,  
0.3095

 18.6281, 0.3281,  
0.2874


244.3878, 0.3196,  
0.3107

 11.4019, 0.3305,  
0.2806

294.3776, 0.3192,  
0.3117

 6.3378, 0.3339,  
0.2712

350.7580, 0.3188,

 3.0516, 0.3389,

0.3127

0.2572

413.9133, 0.3185,  
0.3136

■ 1.1587, 0.3468,  
0.2345

■ 0.0276, 0.4265,  
0.0253

■ 76.8428, 0.3226,  
0.3024

■ 76.8428, 0.3226,  
0.3024

■ 64.3102, 0.3305,  
0.2842

■ 91.4232, 0.3158,  
0.3200

■ 53.7318, 0.3397,  
0.2661

100.0000, 0.3127,  
0.3290

■ 45.0071, 0.3501,  
0.2486

■ 38.0260, 0.3618,  
0.2328

■ 32.6672, 0.3744,  
0.2198

■ 28.7934, 0.3876,  
0.2107

■ 26.2446, 0.4009,  
0.2064

■ 24.8233, 0.4140,  
0.2071

■ 24.4114, 0.4200,  
0.2087

# Harmonies

## Analogous

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



76.8428, 0.2990, 0.2921



76.8428, 0.3226, 0.3024



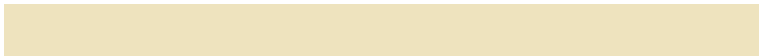
76.8428, 0.3441, 0.3193

# Triad

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



76.8428, 0.3226, 0.3024



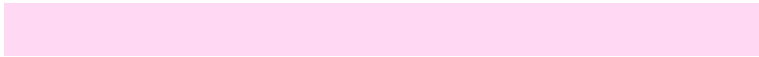
76.8428, 0.3458, 0.3685



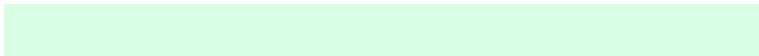
76.8428, 0.2702, 0.3163

# Complementary

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



76.8428, 0.3226, 0.3024



91.7217, 0.3041, 0.3572

# 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.



76.8428, 0.2818, 0.3381



76.8428, 0.3226, 0.3024



76.8428, 0.3252, 0.3693

# Square

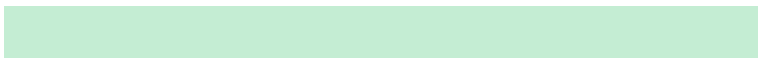
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



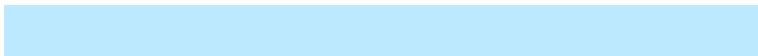
76.8428, 0.3226, 0.3024



76.8428, 0.3577, 0.3571



76.8428, 0.3018, 0.3580



76.8428, 0.2695, 0.2992

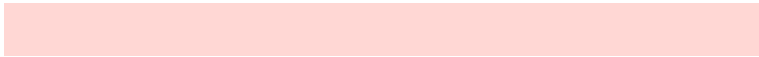


# Rectangle

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



76.8428, 0.3226, 0.3024



76.8428, 0.3541, 0.3324



76.8428, 0.3018, 0.3580



76.8428, 0.2729, 0.3234

# Sweetspot

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



76.8428, 0.3226, 0.3024



91.8827, 0.3157, 0.3205



72.7779, 0.2956, 0.2888



19.4317, 0.3161, 0.3193



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.



76.8428, 0.3226, 0.3024



73.2523, 0.3246, 0.2975



75.7438, 0.3360, 0.3212



18.1995, 0.3185, 0.3127



12.7835, 0.4180, 0.2076



1.2643, 0.4041, 0.2000



# Inverse Universe

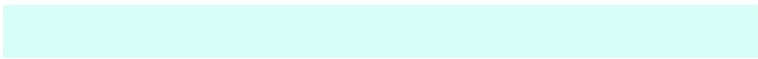
The Inverse Universe completely reimagines the original color for something new.



76.8428, 0.3226, 0.3024



73.2523, 0.3246, 0.2975



92.8470, 0.2936, 0.3369



18.1995, 0.3185, 0.3127



12.7835, 0.4180, 0.2076



1.2643, 0.4041, 0.2000



# Previews

## White Background



This preview shows how the Yxy color 76.8428, 0.3226, 0.3024 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

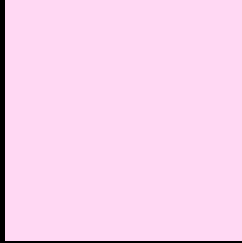
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.8428, 0.3226, 0.3024 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

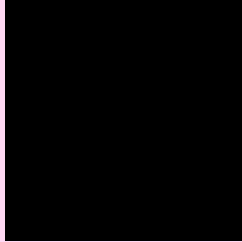
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.8428, 0.3226, 0.3024**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.8428, 0.3226, 0.3024.



This preview shows how white text looks on a background with the Yxy color 76.8428, 0.3226, 0.3024.

# 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

76.8428, 0.3226, 0.3024

### Protanopia

77.2398, 0.2976, 0.3051

### Deuteranopia

77.1784, 0.3144, 0.3078



## Tritanopia

76.6371, 0.3280, 0.3121

# Trichromacy



## Original Color

76.8428, 0.3226, 0.3024

## Protanomaly

76.7908, 0.3063, 0.3035

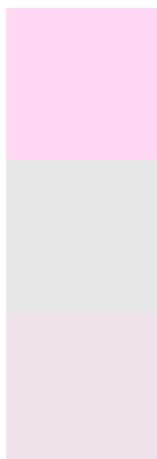
## Deuteranomaly

76.8480, 0.3173, 0.3059

## Tritanomaly

76.8110, 0.3259, 0.3091

# Monochromacy



## Original Color

76.8428, 0.3226, 0.3024

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

78.9161, 0.3166, 0.3198

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.8428, 0.3226, 0.3024 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, 216, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 243)  
}
```

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, 216, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 76.8428, 0.3226, 0.3024 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, 216, 243) }
```

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

```
.border{ border-color:rgb(255, 216, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.8428, 0.3226, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 243) }
```

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

```
.background{ background-color: rgb(255,  
216, 243) }
```

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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