

# Converting Colors

Yxy(99.0828, 0.3844, 0.3026)

Have a look what the booklet for  
Yxy(99.0828, 0.3844, 0.3026)  
contains.

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# Color

**Yxy(76.7004, 0.3186, 0.2957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD7F9
RGB	255, 215, 249
RGB Percent	100%, 84%, 98%
CMY	0.0000, 0.1569, 0.0237
CMYK	0.00, 0.16, 0.02, 0.00
HSL	309°, 100%, 92%
HSV	309°, 16%, 100%
XYZ	82.6403, 76.7004, 100.0451
YIQ	230.8360, 12.9260, 19.0540

# Conversions

## Conversions Part 2

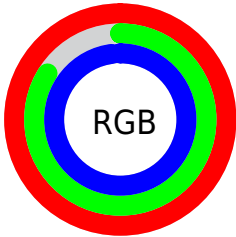
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 215, 249
Decimal	16766969
CIE <sub>Lab</sub>	90.18, 19.54, -11.36
CIE <sub>LCh</sub>	90, 22.598, 329.821
Yxy	76.7004, 0.3186, 0.2957
Android (android.graphics.Color)	4294957049 (0xFFFFD7F9)
YUV	230.8360, 8.9549, 21.1918
Hunter-Lab	87.5788, 15.1718, -6.4245

# Details

The Yxy color  $76.7004, 0.3186, 0.2957$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $91.1898, 0.3073, 0.3647$ , and the grayscale version is  $79.7056, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $40.9976, 0.3193, 0.2878$  is the 20% darker color. If you saturate the color by 10%, you get  $64.4721, 0.3230, 0.2738$ , and if you desaturate by 10%, it is  $90.9567, 0.3147, 0.3172$ .

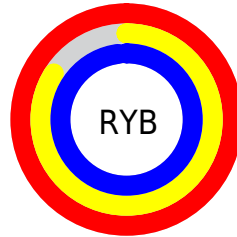
# Distribution



Red (100%)

Green (84%)

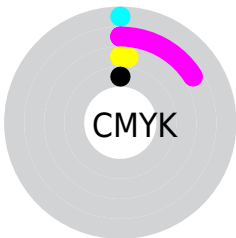
Blue (98%)



Red (100%)

Yellow (84%)

Blue (98%)

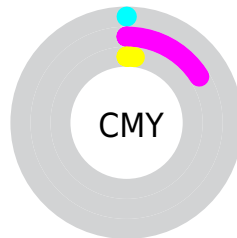


Cyan (0%)

Magenta (16%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7004, 0.3186, 0.2957 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 76.7004, 0.3186, 0.2957 by changing the saturation by 10% instead.




 76.7004, 0.3186,  
0.2957

 76.7004, 0.3186,  
0.2957


483.7419, 0.3161,  
0.3105

 57.0070, 0.3191,  
0.2924


128.7165, 0.3178,  
0.3007

 41.0109, 0.3198,  
0.2885


161.8080, 0.3174,  
0.3027

 28.3276, 0.3205,  
0.2835


200.1343, 0.3171,  
0.3045

 18.5727, 0.3214,  
0.2772

244.0798, 0.3169,  
0.3060

 11.3620, 0.3226,  
0.2690

294.0289, 0.3167,  
0.3073

 6.3108, 0.3241,  
0.2575

350.3661, 0.3165,

 3.0350, 0.3261,

0.3085

0.2408

413.4756, 0.3163,  
0.3096

■ 1.1500, 0.3286,  
0.2142

■ 0.0203, 0.3723,  
0.0152

■ 76.7004, 0.3186,  
0.2957

■ 76.7004, 0.3186,  
0.2957

■ 64.4721, 0.3230,  
0.2738

■ 90.9567, 0.3147,  
0.3172

■ 54.1795, 0.3279,  
0.2522

100.0000, 0.3127,  
0.3290

■ 45.7214, 0.3333,  
0.2318

■ 38.9878, 0.3390,  
0.2134

■ 33.8569, 0.3449,  
0.1981

■ 30.1910, 0.3507,  
0.1868

■ 27.8292, 0.3564,  
0.1801

■ 26.5723, 0.3618,  
0.1779

■ 26.2464, 0.3640,  
0.1779

# Harmonies

## Analogous

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



76.7004, 0.2921, 0.2857



76.7004, 0.3186, 0.2957



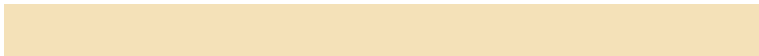
76.7004, 0.3445, 0.3136

# Triad

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



76.7004, 0.3186, 0.2957



76.7004, 0.3543, 0.3725



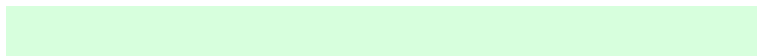
76.7004, 0.2658, 0.3189

# Complementary

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



76.7004, 0.3186, 0.2957



91.1898, 0.3073, 0.3647

# 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.



76.7004, 0.2812, 0.3443



76.7004, 0.3186, 0.2957



76.7004, 0.3320, 0.3763

# Square

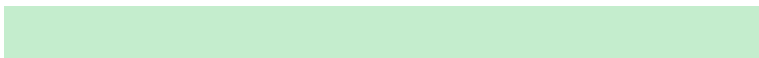
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



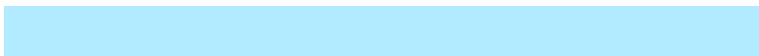
76.7004, 0.3186, 0.2957



76.7004, 0.3655, 0.3572



76.7004, 0.3052, 0.3660



76.7004, 0.2625, 0.2979



# Rectangle

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



76.7004, 0.3186, 0.2957



76.7004, 0.3575, 0.3282



76.7004, 0.3052, 0.3660



76.7004, 0.2697, 0.3273

# Sweetspot

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



76.6999, 0.3186, 0.2957



92.0100, 0.3145, 0.3186



71.1948, 0.2911, 0.2872



19.4627, 0.3147, 0.3171



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.



76.6999, 0.3186, 0.2957



72.4263, 0.3200, 0.2885



75.5196, 0.3324, 0.3150



18.2505, 0.3161, 0.3091



13.7321, 0.3632, 0.1775



1.3493, 0.3576, 0.1744



# Inverse Universe

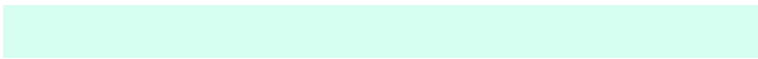
The Inverse Universe completely reimagines the original color for something new.



76.6999, 0.3186, 0.2957



72.4263, 0.3200, 0.2885



92.3184, 0.2963, 0.3434



18.2505, 0.3161, 0.3091



13.7321, 0.3632, 0.1775



1.3493, 0.3576, 0.1744



# Previews

## White Background



This preview shows how the Yxy color 76.7004, 0.3186, 0.2957 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

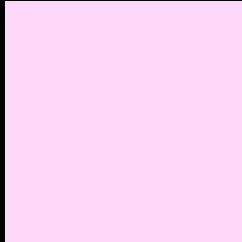
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.7004, 0.3186, 0.2957 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

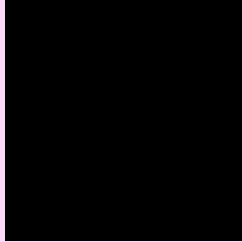
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.7004, 0.3186, 0.2957**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.7004, 0.3186, 0.2957.

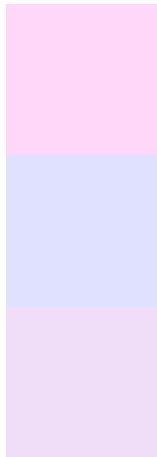


This preview shows how white text looks on a background with the Yxy color 76.7004, 0.3186, 0.2957.

# 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

76.7004, 0.3186, 0.2957

### Protanopia

76.7584, 0.2927, 0.2980

### Deuteranopia

77.0155, 0.3084, 0.3017



## Tritanopia

76.4489, 0.3272, 0.3120

# Trichromacy



## Original Color

76.7004, 0.3186, 0.2957

## Protanomaly

76.4669, 0.3019, 0.2965

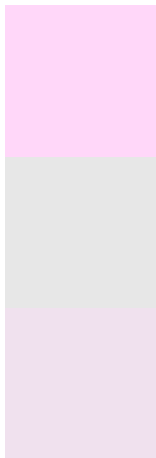
## Deuteranomaly

76.8528, 0.3120, 0.3000

## Tritanomaly

76.4146, 0.3246, 0.3062

# Monochromacy



## Original Color

76.7004, 0.3186, 0.2957

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

78.5487, 0.3147, 0.3158

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.7004, 0.3186, 0.2957 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, 215, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 249)  
}
```

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, 215, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 76.7004, 0.3186, 0.2957 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, 215, 249) }
```

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

```
.border{ border-color:rgb(255, 215, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.7004, 0.3186, 0.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 249) }
```

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

```
.background{ background-color: rgb(255,  
215, 249) }
```

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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