

# Converting Colors

$Y_{xy}(100.7847, 0.3216, 0.2416)$

Have a look what the booklet for  
Yxy(100.7847, 0.3216, 0.2416)  
contains.

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# Color

**Yxy(76.0685, 0.3146, 0.2881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD5FF
RGB	255, 213, 255
RGB Percent	100%, 84%, 100%
CMY	0.0002, 0.1646, 0.0000
CMYK	0.00, 0.16, 0.00, 0.00
HSL	300°, 100%, 92%
HSV	300°, 16%, 100%
XYZ	83.0654, 76.0685, 104.9011
YIQ	230.3460, 11.5500, 21.9660

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 213, 255
Decimal	16766463
CIE <sub>Lab</sub>	89.89, 21.61, -14.96
CIE <sub>LCh</sub>	90, 26.285, 325.308
Yxy	76.0685, 0.3146, 0.2881
Android (android.graphics.Color)	4294956543 (0xFFFFD5FF)
YUV	230.3460, 12.1544, 21.6216
Hunter-Lab	87.2173, 17.3726, -10.2594

# Details

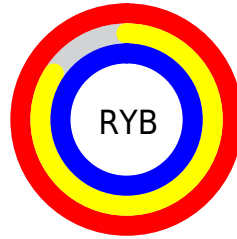
The Yxy color **76.0685, 0.3146, 0.2881** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.4761, 0.3107, 0.3736**, and the grayscale version is **79.3001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.5367, 0.3150, 0.2794** is the 20% darker color. If you saturate the color by 10%, you get **64.2290, 0.3158, 0.2629**, and if you desaturate by 10%, it is **89.9314, 0.3134, 0.3132**.

# Distribution



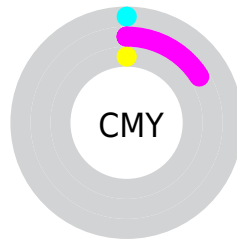
- Red (100%)
- Green (84%)
- Blue (100%)



- Red (100%)
- Yellow (84%)
- Blue (100%)



- Cyan (0%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (16%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0685, 0.3146, 0.2881 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 76.0685, 0.3146, 0.2881 by changing the saturation by 10% instead.



 76.0685, 0.3146,  
0.2881

 76.0685, 0.3146,  
0.2881

481.5822, 0.3140,  
0.3062

 56.4887, 0.3147,  
0.2841

127.8237, 0.3144,  
0.2942

 40.5949, 0.3147,  
0.2793


160.7679, 0.3144,  
0.2967

 28.0027, 0.3148,  
0.2734


198.9357, 0.3143,  
0.2988

 18.3277, 0.3148,  
0.2658

242.7115, 0.3142,  
0.3007

 11.1855, 0.3147,  
0.2558

292.4796, 0.3142,  
0.3023

 6.1917, 0.3143,  
0.2423


348.6245, 0.3141,


 2.9620, 0.3132,


0.3038


0.2226


411.5305, 0.3141,  
0.3051

 1.1119, 0.3104,  
0.1920


 0.0000, 0.3329,  
0.0000

 76.0685, 0.3146,  
0.2881


 76.0685, 0.3146,  
0.2881

 64.2290, 0.3158,  
0.2629


 89.9314, 0.3134,  
0.3132

 54.3089, 0.3169,  
0.2385

99.9989, 0.3127,  
0.3290

 46.2101, 0.3179,  
0.2157

99.9992, 0.3127,  
0.3290

 39.8218, 0.3188,  
0.1956

■ 35.0214, 0.3196,  
0.1791

■ 31.6696, 0.3201,  
0.1667

■ 29.6034, 0.3204,  
0.1587

■ 28.6189, 0.3206,  
0.1548

■ 28.4206, 0.3206,  
0.1540

# Harmonies

## Analogous

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



76.0685, 0.2845, 0.2782



76.0685, 0.3146, 0.2881



76.0685, 0.3456, 0.3076

# Triad

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



76.0685, 0.3146, 0.2881



76.0685, 0.3640, 0.3776



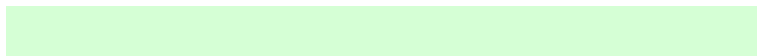
76.0685, 0.2601, 0.3213

# Complementary

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



76.0685, 0.3146, 0.2881



90.4761, 0.3107, 0.3736

# 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.



76.0685, 0.2796, 0.3513



76.0685, 0.3146, 0.2881



76.0685, 0.3394, 0.3848

# Square

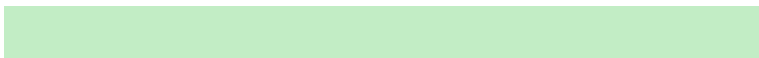
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0685, 0.3146, 0.2881



76.0685, 0.3749, 0.3580



76.0685, 0.3084, 0.3753



76.0685, 0.2542, 0.2956



# Rectangle

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



76.0685, 0.3146, 0.2881



76.0685, 0.3621, 0.3239



76.0685, 0.3084, 0.3753



76.0685, 0.2653, 0.3313

# Sweetspot

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



76.0718, 0.3146, 0.2881



92.1304, 0.3133, 0.3168



69.3268, 0.2858, 0.2852



19.4921, 0.3134, 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.



76.0718, 0.3146, 0.2881



71.6545, 0.3150, 0.2791



74.8432, 0.3286, 0.3074



18.2993, 0.3138, 0.3056



14.8525, 0.3206, 0.1540



1.4465, 0.3207, 0.1540



# Inverse Universe

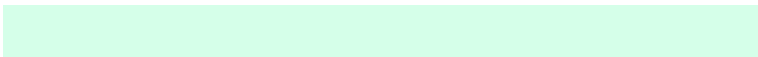
The Inverse Universe completely reimagines the original color for something new.



73.6700, 0.3442, 0.3290



68.8082, 0.3526, 0.3291



91.5640, 0.2994, 0.3516



17.9874, 0.3294, 0.3290



11.1093, 0.6400, 0.3299



1.0818, 0.6397, 0.3297



# Previews

## White Background



This preview shows how the Yxy color 76.0685, 0.3146, 0.2881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

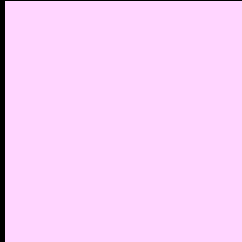
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.0685, 0.3146, 0.2881 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 76.0685, 0.3146, 0.2881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0685, 0.3146, 0.2881.



This preview shows how white text looks on a background with the Yxy color 76.0685, 0.3146, 0.2881.

# 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

76.0685, 0.3146, 0.2881

### Protanopia

76.4426, 0.2914, 0.2978

### Deuteranopia

76.0043, 0.3012, 0.2945



## Tritanopia

76.2617, 0.3265, 0.3120

# Trichromacy



## Original Color

76.0685, 0.3146, 0.2881

## Protanomaly

76.2565, 0.2993, 0.2944

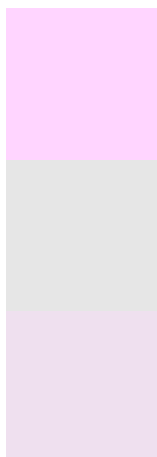
## Deuteranomaly

75.6587, 0.3061, 0.2919

## Tritanomaly

76.4052, 0.3218, 0.3032

# Monochromacy



## Original Color

76.0685, 0.3146, 0.2881

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

77.8940, 0.3134, 0.3137

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0685, 0.3146, 0.2881 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, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 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(255, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0685, 0.3146, 0.2881 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, 213, 255) }
```

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

```
.border{ border-color:rgb(255, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0685, 0.3146, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 255) }
```

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

```
.background{ background-color: rgb(255,  
213, 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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