

# Converting Colors

$Y_{xy}(81.0377, 0.2292, 0.1705)$

Have a look what the booklet for  
Yxy(81.0377, 0.2292, 0.1705)  
contains.

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# Color

**Yxy(67.3440, 0.3035, 0.2743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFC9FF
RGB	239, 201, 255
RGB Percent	94%, 79%, 100%
CMY	0.0630, 0.2116, 0.0001
CMYK	0.06, 0.21, 0.00, 0.00
HSL	282°, 100%, 89%
HSV	282°, 21%, 100%
XYZ	74.5130, 67.3440, 103.6553
YIQ	218.5180, 5.3140, 24.8500

# Conversions

## Conversions Part 2

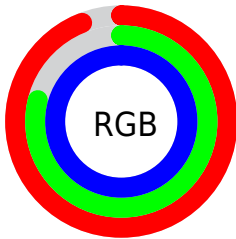
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 201, 255
Decimal	15714815
CIE Lab	85.68, 22.77, -21.44
CIE LCh	86, 31.277, 316.724
Yxy	67.3440, 0.3035, 0.2743
Android (android.graphics.Color)	4293904895 (0xFFEFC9FF)
YUV	218.5180, 17.9856, 17.9627
Hunter-Lab	82.0634, 18.4658, -17.4455

# Details

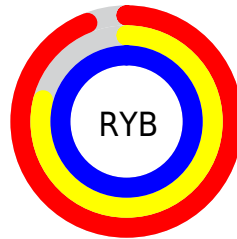
The Yxy color  $67.3440, 0.3035, 0.2743$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $90.4840, 0.3199, 0.3863$ , and the grayscale version is  $70.3553, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $35.0119, 0.3014, 0.2628$  is the 20% darker color. If you saturate the color by 10%, you get  $55.1355, 0.2979, 0.2468$ , and if you desaturate by 10%, it is  $81.5867, 0.3083, 0.3010$ .

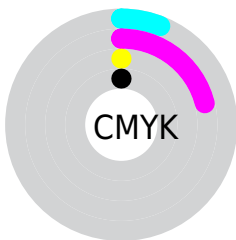
# Distribution



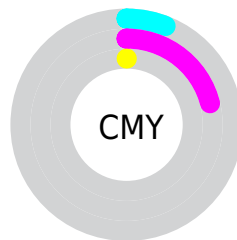
- Red (94%)
- Green (79%)
- Blue (100%)



- Red (94%)
- Yellow (79%)
- Blue (100%)



- Cyan (6%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (21%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3440, 0.3035, 0.2743 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 67.3440, 0.3035, 0.2743 by changing the saturation by 10% instead.



 67.3440, 0.3035,  
0.2743

 67.3440, 0.3035,  
0.2743

451.1683, 0.3082,  
0.2989

 49.3642, 0.3023,  
0.2689


115.4132, 0.3052,  
0.2827

 34.9085, 0.3009,  
0.2623


146.2714, 0.3058,  
0.2860

 23.5924, 0.2989,  
0.2541


182.1912, 0.3064,  
0.2888

 15.0315, 0.2963,  
0.2436

223.5571, 0.3069,  
0.2913

 8.8415, 0.2925,  
0.2298

270.7533, 0.3073,  
0.2935

 4.6380, 0.2867,  
0.2108

324.1643, 0.3076,

 2.0364, 0.2770,

0.2955

0.1835

384.1745, 0.3079,  
0.2973

0.6285, 0.2599,  
0.1369

0.0000, 0.0936,  
0.0000

67.3440, 0.3035,  
0.2743

67.3440, 0.3035,  
0.2743

55.1355, 0.2979,  
0.2468

81.5867, 0.3083,  
0.3010

44.8547, 0.2915,  
0.2192

97.9462, 0.3123,  
0.3262

36.3981, 0.2843,  
0.1927

99.9983, 0.3127,  
0.3290

29.6492, 0.2765,  
0.1684

■ 24.4774, 0.2684,  
0.1475

■ 20.7330, 0.2602,  
0.1309

■ 18.2361, 0.2522,  
0.1193

■ 16.8215, 0.2455,  
0.1126

# Harmonies

## Analogous

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



67.3440, 0.2688, 0.2661



67.3440, 0.3035, 0.2743



67.3440, 0.3429, 0.2949

# Triad

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



67.3440, 0.3035, 0.2743



67.3440, 0.3820, 0.3828



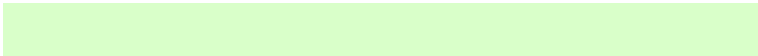
67.3440, 0.2533, 0.3296

# Complementary

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



67.3440, 0.3035, 0.2743



90.4840, 0.3199, 0.3863

# 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.



67.3440, 0.2809, 0.3668



67.3440, 0.3035, 0.2743



67.3440, 0.3553, 0.3978

# Square

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



67.3440, 0.3035, 0.2743



67.3440, 0.3898, 0.3553



67.3440, 0.3181, 0.3928



67.3440, 0.2413, 0.2951



# Rectangle

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



67.3440, 0.3035, 0.2743



67.3440, 0.3660, 0.3136



67.3440, 0.3181, 0.3928



67.3440, 0.2610, 0.3424

# Sweetspot

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



67.3469, 0.3035, 0.2743



89.7711, 0.3105, 0.3142



69.3774, 0.2782, 0.2881



18.9865, 0.3102, 0.3125



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.



67.3469, 0.3035, 0.2743



62.4314, 0.3014, 0.2638



69.5869, 0.3228, 0.2862



18.0133, 0.3090, 0.3052



8.8728, 0.2467, 0.1133



0.9206, 0.2554, 0.1181



# Inverse Universe

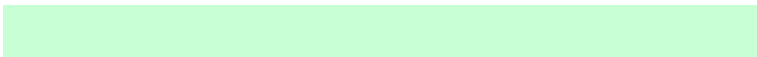
The Inverse Universe completely reimagines the original color for something new.



68.0574, 0.3431, 0.3127



63.2941, 0.3502, 0.3096



88.6694, 0.3040, 0.3759



18.0759, 0.3247, 0.3220



11.4029, 0.5778, 0.2957



1.1285, 0.5458, 0.2780



# Previews

## White Background



This preview shows how the Yxy color 67.3440, 0.3035, 0.2743 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

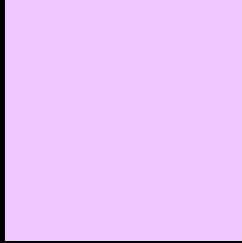
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.3440, 0.3035, 0.2743 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

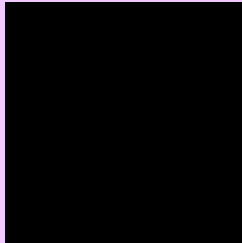
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.3440, 0.3035, 0.2743**

## Background



This preview shows how black text looks on a background with the Yxy color 67.3440, 0.3035, 0.2743.

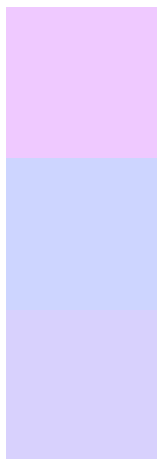


This preview shows how white text looks on a background with the Yxy color 67.3440, 0.3035, 0.2743.

# 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

67.3440, 0.3035, 0.2743

### Protanopia

67.7876, 0.2805, 0.2837

### Deuteranopia

67.2917, 0.2888, 0.2822



## Tritanopia

67.4458, 0.3218, 0.3120

# Trichromacy



## Original Color

67.3440, 0.3035, 0.2743

## Protanomaly

67.5726, 0.2882, 0.2804

## Deuteranomaly

67.1457, 0.2936, 0.2788

## Tritanomaly

67.4937, 0.3149, 0.2976

# Monochromacy



## Original Color

67.3440, 0.3035, 0.2743

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

69.0819, 0.3094, 0.3076

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.3440, 0.3035, 0.2743 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(239, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 201, 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(239, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 201, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 67.3440, 0.3035, 0.2743 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(239, 201, 255) }
```

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

```
.border{ border-color:rgb(239, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 201,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.3440, 0.3035, 0.2743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 201, 255) }
```

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

```
.background{ background-color: rgb(239,  
201, 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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