

# Converting Colors

Yxy(67.1536, 0.3009, 0.2748)

Have a look what the booklet for  
Yxy(67.1536, 0.3009, 0.2748)  
contains.

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# Color

**Yxy(67.1232, 0.3006, 0.2748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBCAFF
RGB	235, 202, 255
RGB Percent	92%, 79%, 100%
CMY	0.0786, 0.2078, 0.0000
CMYK	0.08, 0.21, 0.00, 0.00
HSL	277°, 100%, 90%
HSV	277°, 21%, 100%
XYZ	73.4252, 67.1232, 103.7136
YIQ	217.9090, 2.6550, 23.4790

# Conversions

## Conversions Part 2

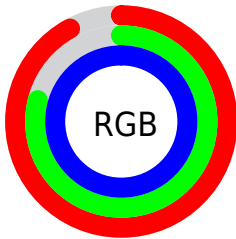
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 202, 255
Decimal	15452927
CIE <sub>Lab</sub>	85.57, 21.00, -21.67
CIE <sub>LCh</sub>	86, 30.173, 314.096
Y <sub>xy</sub>	67.1232, 0.3006, 0.2748
Android (android.graphics.Color)	4293643007 (0xFFEBCAFF)
YUV	217.9090, 18.2859, 14.9888
Hunter-Lab	81.9287, 16.5977, -17.7051

# Details

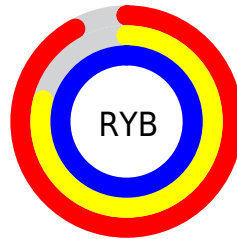
The Yxy color  $67.1232, 0.3006, 0.2748$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $91.3228, 0.3226, 0.3847$ , and the grayscale version is  $69.9134, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $34.8407, 0.2976, 0.2634$  is the 20% darker color. If you saturate the color by 10%, you get  $54.5325, 0.2932, 0.2467$ , and if you desaturate by 10%, it is  $81.7825, 0.3070, 0.3018$ .

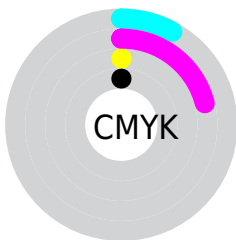
# Distribution



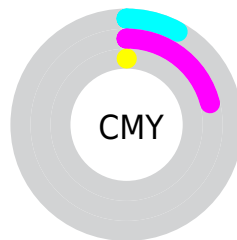
- Red (92%)
- Green (79%)
- Blue (100%)



- Red (92%)
- Yellow (79%)
- Blue (100%)



- Cyan (8%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (21%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1232, 0.3006, 0.2748 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 67.1232, 0.3006, 0.2748 by changing the saturation by 10% instead.




 67.1232, 0.3006,  
0.2748

 67.1232, 0.3006,  
0.2748


450.3832, 0.3066,  
0.2992

 49.1848, 0.2991,  
0.2694


115.0969, 0.3028,  
0.2831

 34.7661, 0.2973,  
0.2628


145.9010, 0.3036,  
0.2864

 23.4827, 0.2949,  
0.2546


181.7624, 0.3043,  
0.2892

 14.9504, 0.2916,  
0.2442

223.0655, 0.3049,  
0.2917

 8.7845, 0.2871,  
0.2304

270.1948, 0.3054,  
0.2939

 4.6009, 0.2802,  
0.2114

323.5345, 0.3059,

 2.0151, 0.2688,

0.2959

0.1839

383.4692, 0.3063,  
0.2976

0.6162, 0.2492,  
0.1365

0.0000, 0.0448,  
0.0000

67.1232, 0.3006,  
0.2748

67.1232, 0.3006,  
0.2748

54.5325, 0.2932,  
0.2467

81.7825, 0.3070,  
0.3018

43.9083, 0.2848,  
0.2181

98.5984, 0.3123,  
0.3271

35.1450, 0.2756,  
0.1902

100.0000, 0.3127,  
0.3290

28.1259, 0.2656,  
0.1642

■ 22.7200, 0.2552,  
0.1415

■ 18.7776, 0.2449,  
0.1233

■ 16.1196, 0.2349,  
0.1101

■ 14.5472, 0.2264,  
0.1021

# Harmonies

## Analogous

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



67.1232, 0.2679, 0.2681



67.1232, 0.3006, 0.2748



67.1232, 0.3386, 0.2939

# Triad

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



67.1232, 0.3006, 0.2748



67.1232, 0.3812, 0.3791



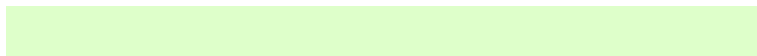
67.1232, 0.2571, 0.3329

# Complementary

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



67.1232, 0.3006, 0.2748



91.3228, 0.3226, 0.3847

# 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.



67.1232, 0.2849, 0.3683



67.1232, 0.3006, 0.2748



67.1232, 0.3567, 0.3949

# Square

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



67.1232, 0.3006, 0.2748



67.1232, 0.3867, 0.3520



67.1232, 0.3213, 0.3917



67.1232, 0.2440, 0.2989



# Rectangle

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



67.1232, 0.3006, 0.2748



67.1232, 0.3615, 0.3116



67.1232, 0.3213, 0.3917



67.1232, 0.2650, 0.3452

# Sweetspot

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



67.1245, 0.3006, 0.2748



89.5428, 0.3097, 0.3141



72.1948, 0.2792, 0.2938



18.9325, 0.3093, 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.



67.1245, 0.3006, 0.2748



61.5619, 0.2976, 0.2630



70.3367, 0.3195, 0.2829



17.9372, 0.3077, 0.3051



7.6895, 0.2278, 0.1029



0.8113, 0.2383, 0.1087



# Inverse Universe

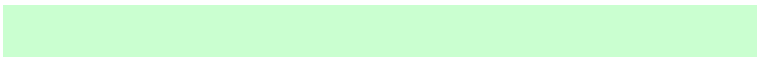
The Inverse Universe completely reimagines the original color for something new.



68.7851, 0.3392, 0.3088



63.5554, 0.3460, 0.3044



88.6425, 0.3066, 0.3799



18.1007, 0.3235, 0.3200



11.5809, 0.5472, 0.2788

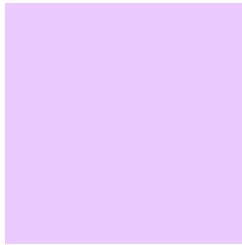


1.1480, 0.5164, 0.2618



# Previews

## White Background



This preview shows how the Yxy color 67.1232, 0.3006, 0.2748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

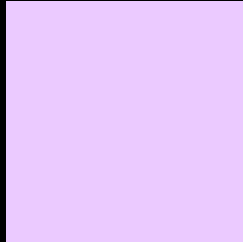
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.1232, 0.3006, 0.2748 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

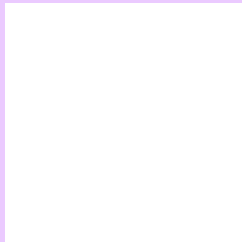
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.1232, 0.3006, 0.2748**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1232, 0.3006, 0.2748.

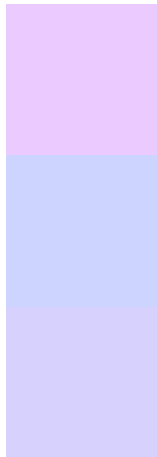


This preview shows how white text looks on a background with the Yxy color 67.1232, 0.3006, 0.2748.

# 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

67.1232, 0.3006, 0.2748

### Protanopia

67.2861, 0.2804, 0.2826

### Deuteranopia

67.2038, 0.2875, 0.2811



## Tritanopia

67.3166, 0.3180, 0.3119

# Trichromacy



## Original Color

67.1232, 0.3006, 0.2748

## Protanomaly

66.9307, 0.2875, 0.2792

## Deuteranomaly

66.8280, 0.2922, 0.2786

## Tritanomaly

67.2966, 0.3119, 0.2984

# Monochromacy



## Original Color

67.1232, 0.3006, 0.2748

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

68.7038, 0.3086, 0.3086

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1232, 0.3006, 0.2748 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(235, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 202, 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(235, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 202, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1232, 0.3006, 0.2748 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(235, 202, 255) }
```

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

```
.border{ border-color:rgb(235, 202, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 202, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 202,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1232, 0.3006, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 202, 255) }
```

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

```
.background{ background-color: rgb(235,  
202, 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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