

# Converting Colors

$Yxy(70.4797, 0.3044, 0.2883)$

Have a look what the booklet for  
Yxy(70.4797, 0.3044, 0.2883)  
contains.

<b>Yxy(70.5949, 0.3045, 0.2889)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(70.5949, 0.3045, 0.2889)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBD2F9
RGB	235, 210, 249
RGB Percent	92%, 82%, 98%
CMY	0.0785, 0.1764, 0.0234
CMYK	0.06, 0.16, 0.00, 0.02
HSL	278°, 77%, 90%
HSV	278°, 16%, 98%
XYZ	74.4069, 70.5949, 99.3558
YIQ	221.9210, 2.3810, 17.4290

# Conversions

## Conversions Part 2

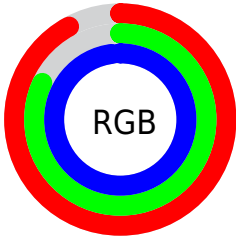
Format	Color
R <sub>Y</sub> B	235, 210, 249
Decimal	15454969
CIE Lab	87.29, 15.61, -15.91
CIE LCh	87, 22.286, 314.464
Yxy	70.5949, 0.3045, 0.2889
Android (android.graphics.Color)	4293645049 (0xFFEBD2F9)
YUV	221.9210, 13.3499, 11.4703
Hunter-Lab	84.0208, 11.0392, -11.2967

# Details

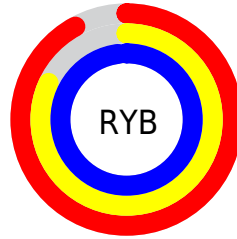
The Yxy color **70.5949, 0.3045, 0.2889** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.2838, 0.3197, 0.3701**, and the grayscale version is **72.8928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8767, 0.3019, 0.2788** is the 20% darker color. If you saturate the color by 10%, you get **57.7548, 0.2980, 0.2614**, and if you desaturate by 10%, it is **85.4313, 0.3100, 0.3150**.

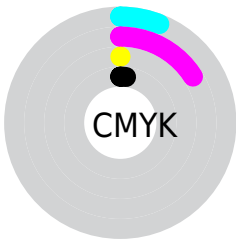
# Distribution



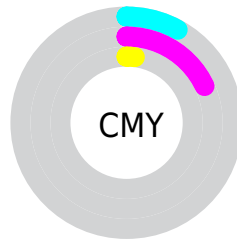
- Red (92%)
- Green (82%)
- Blue (98%)



- Red (92%)
- Yellow (82%)
- Blue (98%)



- Cyan (6%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)




- Cyan (8%)
- Magenta (18%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5949, 0.3045, 0.2889 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 70.5949, 0.3045, 0.2889 by changing the saturation by 10% instead.




 70.5949, 0.3045,  
0.2889

 70.5949, 0.3045,  
0.2889


462.6361, 0.3085,  
0.3070

 52.0117, 0.3035,  
0.2849


120.0567, 0.3059,  
0.2951

 37.0144, 0.3023,  
0.2799


151.7041, 0.3065,  
0.2975

 25.2186, 0.3008,  
0.2738


188.4750, 0.3069,  
0.2996

 16.2400, 0.2986,  
0.2659

230.7538, 0.3073,  
0.3015

 9.6942, 0.2957,  
0.2554

278.9250, 0.3077,  
0.3031

 5.1966, 0.2912,  
0.2408

333.3728, 0.3080,

 2.3631, 0.2839,

0.3046

0.2191

394.4817, 0.3083,  
0.3058

0.8068, 0.2702,  
0.1837

0.0000, 0.1087,  
0.0000

70.5949, 0.3045,  
0.2889

70.5949, 0.3045,  
0.2889

57.7548, 0.2980,  
0.2614

85.4313, 0.3100,  
0.3150

46.8127, 0.2906,  
0.2332

99.2287, 0.3149,  
0.3347

37.6753, 0.2822,  
0.2051

99.6218, 0.3162,  
0.3347

30.2377, 0.2731,  
0.1783

■ 24.3837, 0.2634,  
0.1541

■ 19.9825, 0.2535,  
0.1338

■ 16.8810, 0.2437,  
0.1183

■ 14.8906, 0.2345,  
0.1078

■ 14.2522, 0.2307,  
0.1044

# Harmonies

## Analogous

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



70.5949, 0.2802, 0.2840



70.5949, 0.3045, 0.2889



70.5949, 0.3321, 0.3033

# Triad

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



70.5949, 0.3045, 0.2889



70.5949, 0.3624, 0.3663



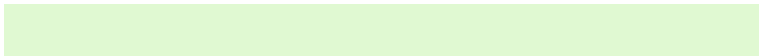
70.5949, 0.2718, 0.3319

# Complementary

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



70.5949, 0.3045, 0.2889



88.2838, 0.3197, 0.3701

# 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.



70.5949, 0.2924, 0.3568



70.5949, 0.3045, 0.2889



70.5949, 0.3448, 0.3767

# Square

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



70.5949, 0.3045, 0.2889



70.5949, 0.3663, 0.3469



70.5949, 0.3191, 0.3736



70.5949, 0.2620, 0.3074



# Rectangle

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



70.5949, 0.3045, 0.2889



70.5949, 0.3484, 0.3167



70.5949, 0.3191, 0.3736



70.5949, 0.2776, 0.3406

# Sweetspot

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



70.5979, 0.3045, 0.2889



91.2730, 0.3103, 0.3167



74.0265, 0.2878, 0.3025



19.2831, 0.3100, 0.3149



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.



70.5979, 0.3045, 0.2889



69.7287, 0.3024, 0.2798



72.7642, 0.3181, 0.2951



17.1939, 0.3080, 0.3052



7.7094, 0.2321, 0.1052



0.7737, 0.2427, 0.1110



# Inverse Universe

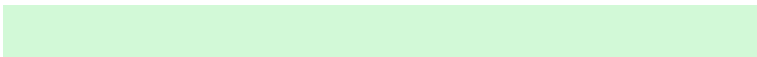
The Inverse Universe completely reimagines the original color for something new.



71.6277, 0.3321, 0.3147



71.0493, 0.3371, 0.3115



86.3936, 0.3077, 0.3654



17.3285, 0.3237, 0.3205



11.1970, 0.5542, 0.2827

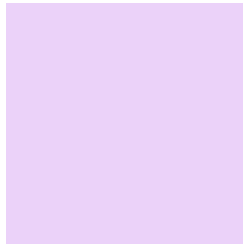


1.0565, 0.5214, 0.2646



# Previews

## White Background



This preview shows how the Yxy color 70.5949, 0.3045, 0.2889 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

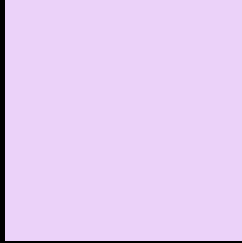
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.5949, 0.3045, 0.2889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

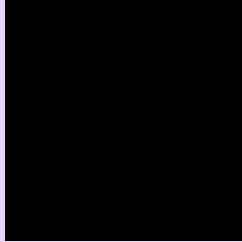
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

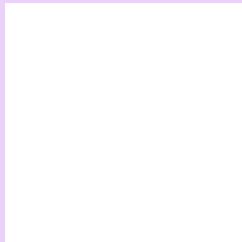
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.5949, 0.3045, 0.2889**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.5949, 0.3045, 0.2889.



This preview shows how white text looks on a background with the Yxy color 70.5949, 0.3045, 0.2889.

# 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

70.5949, 0.3045, 0.2889

### Protanopia

70.7785, 0.2858, 0.2896

### Deuteranopia

70.5346, 0.2989, 0.2924



## Tritanopia

70.4575, 0.3150, 0.3110

# Trichromacy



## Original Color

70.5949, 0.3045, 0.2889

## Protanomaly

70.3371, 0.2923, 0.2890

## Deuteranomaly

70.5223, 0.3009, 0.2915

## Tritanomaly

70.5250, 0.3110, 0.3028

# Monochromacy



## Original Color

70.5949, 0.3045, 0.2889

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.2999, 0.3099, 0.3141

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.5949, 0.3045, 0.2889 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, 210, 249)` looks like.

```
.text, #text, p{  
    color:rgb(235, 210, 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(235, 210, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 210, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 70.5949, 0.3045, 0.2889 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, 210, 249) }
```

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

```
.border{ border-color:rgb(235, 210, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 210, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 210, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 210, 249);  
box-shadow:4px 4px 4px 4px rgb(235, 210,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.5949, 0.3045, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 210, 249) }
```

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

```
.background{ background-color: rgb(235,  
210, 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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