

Converting Colors

$Y_{xy}(70.2225, 0.3046, 0.2863)$

Have a look what the booklet for
Yxy(70.2225, 0.3046, 0.2863)
contains.

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Color

Yxy(70.3359, 0.3046, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	ECD1FA
RGB	236, 209, 250
RGB Percent	93%, 82%, 98%
CMY	0.0745, 0.1804, 0.0196
CMYK	0.06, 0.16, 0.00, 0.02
HSL	280°, 80%, 90%
HSV	280°, 16%, 98%
XYZ	74.6492, 70.3359, 100.0877
YIQ	221.7470, 2.9310, 18.4750

Conversions

Conversions Part 2

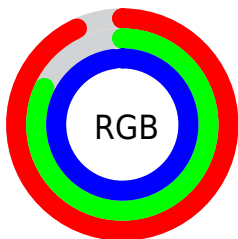
Format	Color
R _Y B	236, 209, 250
Decimal	15520250
CIE Lab	87.16, 16.66, -16.60
CIE LCh	87, 23.514, 315.098
Yxy	70.3359, 0.3046, 0.2870
Android (android.graphics.Color)	4293710330 (0xFFECD1FA)
YUV	221.7470, 13.9287, 12.4999
Hunter-Lab	83.8665, 12.1156, -12.0512

Details

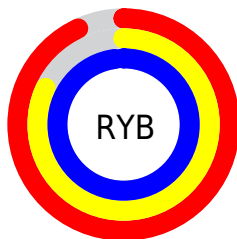
The Yxy color $70.3359, 0.3046, 0.2870$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.6669, 0.3196, 0.3722$, and the grayscale version is $72.7599, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.6648, 0.3029, 0.2776$ is the 20% darker color. If you saturate the color by 10%, you get $57.5919, 0.2985, 0.2596$, and if you desaturate by 10%, it is $85.0806, 0.3098, 0.3132$.

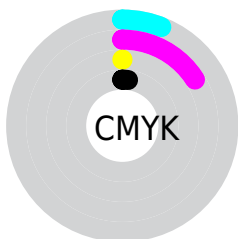
Distribution



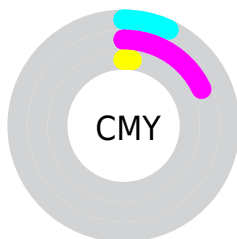
- Red (93%)
- Green (82%)
- Blue (98%)



- Red (93%)
- Yellow (82%)
- Blue (98%)



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





- Cyan (7%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3359, 0.3046, 0.2870 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 70.3359, 0.3046, 0.2870 by changing the saturation by 10% instead.


 70.3359, 0.3046,
0.2870

 70.3359, 0.3046,
0.2870


461.7285, 0.3086,
0.3059

 51.8004, 0.3036,
0.2828

119.6876, 0.3060,
0.2935

 36.8460, 0.3024,
0.2777


151.2727, 0.3066,
0.2960

 25.0883, 0.3008,
0.2712


187.9764, 0.3070,
0.2982

 16.1428, 0.2987,
0.2630

230.1832, 0.3074,
0.3002

 9.6253, 0.2957,
0.2521

278.2774, 0.3078,
0.3019

 5.1512, 0.2912,
0.2369

332.6434, 0.3081,

 2.3363, 0.2838,

0.3034

0.2145

393.6656, 0.3084,
0.3047

0.7928, 0.2699,
0.1780

0.0000, 0.1165,
0.0000

70.3359, 0.3046,
0.2870

70.3359, 0.3046,
0.2870

57.5919, 0.2985,
0.2596

85.0806, 0.3098,
0.3132

46.7491, 0.2914,
0.2315

99.3198, 0.3144,
0.3338

37.7129, 0.2834,
0.2037

99.6825, 0.3156,
0.3338

30.3769, 0.2747,
0.1774

■ 24.6231, 0.2655,
0.1538

■ 20.3181, 0.2561,
0.1342

■ 17.3057, 0.2468,
0.1194

■ 15.3911, 0.2380,
0.1096

■ 14.8632, 0.2350,
0.1068

Harmonies

Analogous

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



70.3359, 0.2788, 0.2816



70.3359, 0.3046, 0.2870



70.3359, 0.3337, 0.3023

Triad

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



70.3359, 0.3046, 0.2870



70.3359, 0.3649, 0.3687



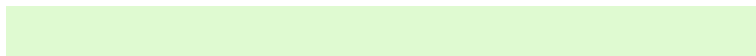
70.3359, 0.2692, 0.3314

Complementary

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



70.3359, 0.3046, 0.2870



88.6669, 0.3196, 0.3722

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.



70.3359, 0.2907, 0.3580



70.3359, 0.3046, 0.2870



70.3359, 0.3461, 0.3796

Square

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



70.3359, 0.3046, 0.2870



70.3359, 0.3695, 0.3482



70.3359, 0.3188, 0.3761



70.3359, 0.2591, 0.3056

Rectangle

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



70.3359, 0.3046, 0.2870



70.3359, 0.3509, 0.3165



70.3359, 0.3188, 0.3761



70.3359, 0.2752, 0.3406

Sweetspot

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



70.3389, 0.3046, 0.2870



91.3168, 0.3105, 0.3167



73.4232, 0.2866, 0.3004



19.2938, 0.3102, 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.



70.3389, 0.3046, 0.2870



68.5112, 0.3025, 0.2772



72.4506, 0.3189, 0.2942



17.2105, 0.3083, 0.3052



7.9661, 0.2363, 0.1076



0.7963, 0.2465, 0.1132

Inverse Universe

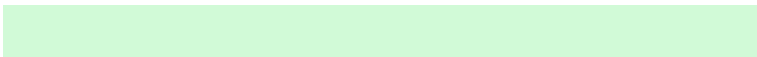
The Inverse Universe completely reimagines the original color for something new.



71.2556, 0.3337, 0.3147



69.6883, 0.3394, 0.3114



86.8447, 0.3071, 0.3665



17.3230, 0.3240, 0.3209



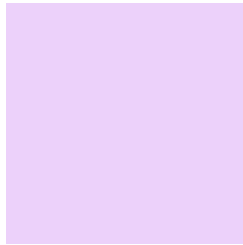
11.1556, 0.5614, 0.2866



1.0522, 0.5281, 0.2683

Previews

White Background



This preview shows how the Yxy color 70.3359, 0.3046, 0.2870 looks on a white background.

Color Contrast Check

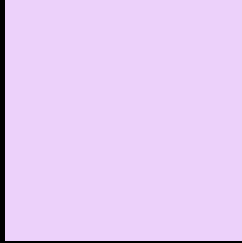
Large Text (above 18pt) WCAG AA × Fail

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 70.3359, 0.3046, 0.2870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

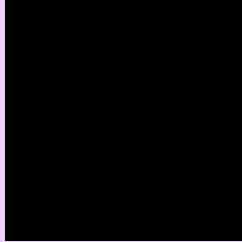
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

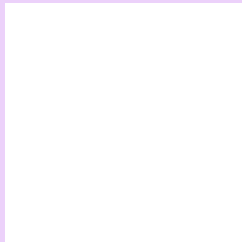
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3359, 0.3046, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 70.3359, 0.3046, 0.2870.

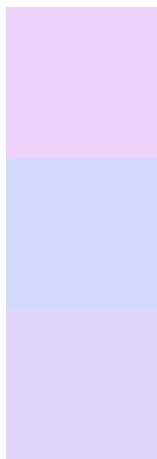


This preview shows how white text looks on a background with the Yxy color 70.3359, 0.3046, 0.2870.

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

70.3359, 0.3046, 0.2870

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

70.4356, 0.2975, 0.2913



Tritanopia

70.5693, 0.3164, 0.3121

Trichromacy



Original Color

70.3359, 0.3046, 0.2870

Protanomaly

70.4006, 0.2916, 0.2880

Deuteranomaly

70.5845, 0.3003, 0.2905

Tritanomaly

70.6938, 0.3118, 0.3029

Monochromacy



Original Color

70.3359, 0.3046, 0.2870

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.7828, 0.3099, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3359, 0.3046, 0.2870 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(236, 209, 250)` looks like.

```
.text, #text, p{  
    color:rgb(236, 209, 250)  
}
```

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(236, 209, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 209, 250) }
```

Border

The CSS property to change the border of an element to Yxy 70.3359, 0.3046, 0.2870 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(236, 209, 250) }
```

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

```
.border{ border-color:rgb(236, 209, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 209, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 209, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 209, 250);  
box-shadow:4px 4px 4px 4px rgb(236, 209,  
250) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.3359, 0.3046, 0.2870$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 209, 250) }
```

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

```
.background{ background-color: rgb(236,  
209, 250) }
```

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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