

Converting Colors

$Y_{xy}(70.2109, 0.3083, 0.2998)$

Have a look what the booklet for
Yxy(70.2109, 0.3083, 0.2998)
contains.

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Color

Yxy(70.3079, 0.3083, 0.3007)

Conversions

Conversions Part 1

Format	Color
Hex	E7D4EF
RGB	231, 212, 239
RGB Percent	91%, 83%, 94%
CMY	0.0940, 0.1686, 0.0628
CMYK	0.03, 0.11, 0.00, 0.06
HSL	282°, 46%, 88%
HSV	282°, 11%, 94%
XYZ	72.0849, 70.3079, 91.4213
YIQ	220.7590, 2.6570, 12.4250

Conversions

Conversions Part 2

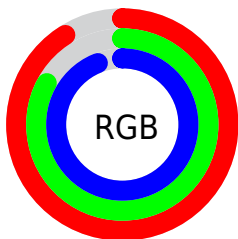
Format	Color
R _Y B	231, 212, 239
Decimal	15193327
CIE Lab	87.15, 11.37, -10.84
CIE LCh	87, 15.709, 316.370
Yxy	70.3079, 0.3083, 0.3007
Android (android.graphics.Color)	4293383407 (0xFFE7D4EF)
YUV	220.7590, 8.9928, 8.9814
Hunter-Lab	83.8498, 6.7176, -5.9489

Details

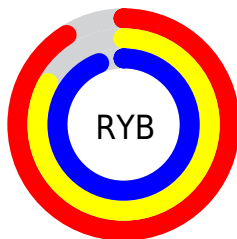
The Yxy color $70.3079, 0.3083, 0.3007$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $81.6856, 0.3166, 0.3580$, and the grayscale version is $72.0671, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.6468, 0.3068, 0.2937$ is the 20% darker color. If you saturate the color by 10%, you get $58.0858, 0.3036, 0.2741$, and if you desaturate by 10%, it is $84.3515, 0.3123, 0.3259$.

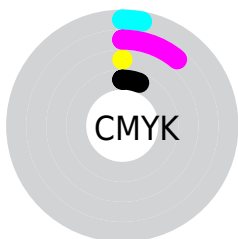
Distribution



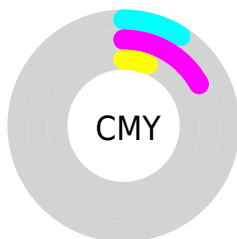
- Red (91%)
- Green (83%)
- Blue (94%)



- Red (91%)
- Yellow (83%)
- Blue (94%)



- Cyan (3%)
- Magenta (11%)
- Yellow (0%)
- Black (6%)




- Cyan (9%)
- Magenta (17%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3079, 0.3083, 0.3007 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 70.3079, 0.3083, 0.3007 by changing the saturation by 10% instead.

 70.3079, 0.3083,
0.3007

 70.3079, 0.3083,
0.3007

461.6304, 0.3105,
0.3136

 51.7776, 0.3078,
0.2978

119.6477, 0.3091,
0.3051

 36.8278, 0.3071,
0.2942


151.2261, 0.3094,
0.3069

 25.0742, 0.3063,
0.2897


187.9225, 0.3096,
0.3084

 16.1324, 0.3051,
0.2839

230.1214, 0.3098,
0.3097

 9.6179, 0.3035,
0.2761

278.2073, 0.3100,
0.3109

 5.1463, 0.3010,
0.2650

332.5645, 0.3102,

 2.3334, 0.2968,

0.3119

0.2482

393.5774, 0.3103,
0.3128

0.7913, 0.2889,
0.2189

0.0000, 0.0000,
0.0000

70.3079, 0.3083,
0.3007

70.3079, 0.3083,
0.3007

58.0858, 0.3036,
0.2741

84.3515, 0.3123,
0.3259

47.5982, 0.2980,
0.2468

97.1844, 0.3158,
0.3447

38.7645, 0.2917,
0.2193

98.4756, 0.3202,
0.3445

31.4938, 0.2846,
0.1929

99.0112, 0.3220,
0.3444

■ 25.6867, 0.2770,
0.1687

■ 21.2317, 0.2690,
0.1479

■ 18.0011, 0.2609,
0.1314

■ 15.8417, 0.2530,
0.1198

■ 14.6208, 0.2464,
0.1131

Harmonies

Analogous

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



70.3079, 0.2906, 0.2968



70.3079, 0.3083, 0.3007



70.3079, 0.3277, 0.3115

Triad

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



70.3079, 0.3083, 0.3007



70.3079, 0.3472, 0.3564



70.3079, 0.2829, 0.3301

Complementary

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



70.3079, 0.3083, 0.3007



81.6856, 0.3166, 0.3580

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.



70.3079, 0.2974, 0.3474



70.3079, 0.3083, 0.3007



70.3079, 0.3345, 0.3627

Square

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



70.3079, 0.3083, 0.3007



70.3079, 0.3505, 0.3431



70.3079, 0.3162, 0.3596



70.3079, 0.2763, 0.3131

Rectangle

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



70.3079, 0.3083, 0.3007



70.3079, 0.3388, 0.3214



70.3079, 0.3162, 0.3596



70.3079, 0.2870, 0.3361

Sweetspot

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



70.3109, 0.3083, 0.3007



94.7909, 0.3116, 0.3217



71.4628, 0.2950, 0.3085



19.9983, 0.3113, 0.3197



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.



70.3109, 0.3083, 0.3007



77.3595, 0.3071, 0.2935



71.3501, 0.3177, 0.3066



15.7840, 0.3091, 0.3054



8.1517, 0.2476, 0.1138



0.7291, 0.2575, 0.1192

Inverse Universe

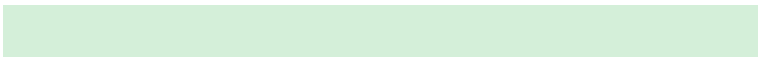
The Inverse Universe completely reimagines the original color for something new.



70.5977, 0.3273, 0.3207



77.7826, 0.3314, 0.3186



80.7518, 0.3081, 0.3524



15.8354, 0.3247, 0.3221



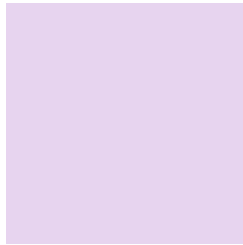
10.4081, 0.5781, 0.2958



0.8826, 0.5407, 0.2753

Previews

White Background



This preview shows how the Yxy color 70.3079, 0.3083, 0.3007 looks on a white background.

Color Contrast Check

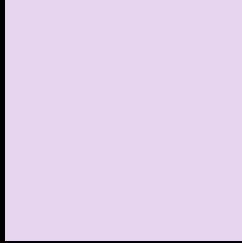
Large Text (above 18pt) WCAG AA × Fail

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 70.3079, 0.3083, 0.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

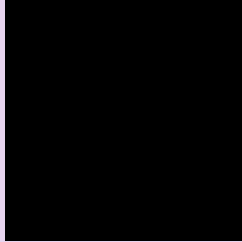
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

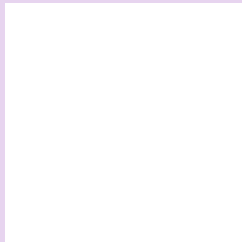
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3079, 0.3083, 0.3007

Background



This preview shows how black text looks on a background with the Yxy color 70.3079, 0.3083, 0.3007.

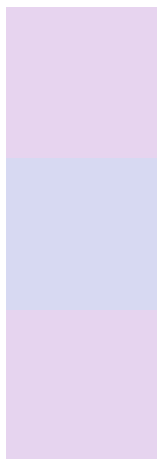


This preview shows how white text looks on a background with the Yxy color 70.3079, 0.3083, 0.3007.

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

70.3079, 0.3083, 0.3007

Protanopia

70.4836, 0.2951, 0.3021

Deuteranopia

70.1420, 0.3076, 0.3006



Tritanopia

70.1247, 0.3136, 0.3110

Trichromacy



Original Color

70.3079, 0.3083, 0.3007

Protanomaly

70.3239, 0.2999, 0.3013

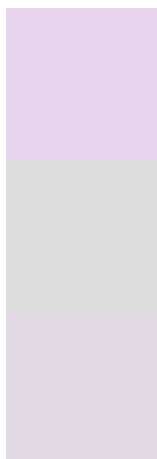
Deuteranomaly

70.1420, 0.3076, 0.3006

Tritanomaly

70.2947, 0.3115, 0.3079

Monochromacy



Original Color

70.3079, 0.3083, 0.3007

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.7518, 0.3111, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3079, 0.3083, 0.3007 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(231, 212, 239)` looks like.

```
.text, #text, p{  
    color:rgb(231, 212, 239)  
}
```

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(231, 212, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 212, 239) }
```

Border

The CSS property to change the border of an element to Yxy 70.3079, 0.3083, 0.3007 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(231, 212, 239) }
```

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

```
.border{ border-color:rgb(231, 212, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 212, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 212, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 212, 239);  
box-shadow:4px 4px 4px 4px rgb(231, 212,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3079, 0.3083, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 212, 239) }
```

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

```
.background{ background-color: rgb(231,  
212, 239) }
```

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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