

Converting Colors

Yxy(70.0803, 0.2999, 0.2829)

Have a look what the booklet for
Yxy(70.0803, 0.2999, 0.2829)
contains.

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Color

Yxy(70.0803, 0.2999, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	E9D1FE
RGB	233, 209, 254
RGB Percent	91%, 82%, 100%
CMY	0.0862, 0.1804, 0.0040
CMYK	0.08, 0.18, 0.00, 0.00
HSL	272°, 96%, 91%
HSV	272°, 18%, 100%
XYZ	74.2916, 70.0803, 103.3492
YIQ	221.3060, -0.1410, 19.0830

Conversions

Conversions Part 2

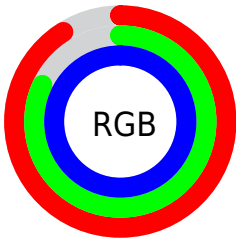
Format	Color
R _Y B	233, 209, 254
Decimal	15323646
CIE Lab	87.04, 16.46, -18.90
CIE LCh	87, 25.064, 311.041
Yxy	70.0803, 0.2999, 0.2829
Android (android.graphics.Color)	4293513726 (0xFFE9D1FE)
YUV	221.3060, 16.1181, 10.2556
Hunter-Lab	83.7140, 11.9095, -14.5968

Details

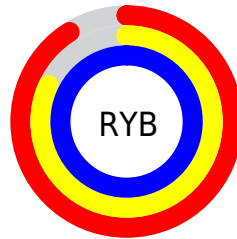
The Yxy color $70.0803, 0.2999, 0.2829$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.2845, 0.3237, 0.3755$, and the grayscale version is $72.4188, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.8210, 0.2967, 0.2736$ is the 20% darker color. If you saturate the color by 10%, you get $56.6719, 0.2910, 0.2544$, and if you desaturate by 10%, it is $85.6147, 0.3076, 0.3097$.

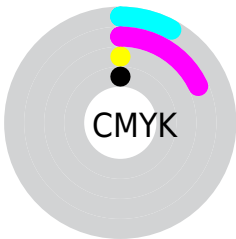
Distribution



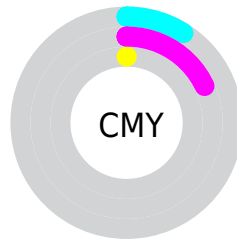
- Red (91%)
- Green (82%)
- Blue (100%)



- Red (91%)
- Yellow (82%)
- Blue (100%)



- Cyan (8%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0803, 0.2999, 0.2829 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 70.0803, 0.2999, 0.2829 by changing the saturation by 10% instead.

70.0803, 0.2999,
0.2829

70.0803, 0.2999,
0.2829

460.8319, 0.3061,
0.3037

51.5920, 0.2984,
0.2783

119.3233, 0.3021,
0.2900

36.6800, 0.2966,
0.2727

150.8467, 0.3029,
0.2928

24.9598, 0.2942,
0.2657

187.4840, 0.3037,
0.2952

16.0471, 0.2911,
0.2567

229.6195, 0.3043,
0.2973

9.5575, 0.2867,
0.2448

277.6377, 0.3048,
0.2992

5.1066, 0.2802,
0.2284

331.9229, 0.3053,

2.3099, 0.2697,

0.3008

0.2044

392.8595, 0.3057,
0.3023

0.7790, 0.2509,
0.1657

0.0000, 0.0853,
0.0000

70.0803, 0.2999,
0.2829

70.0803, 0.2999,
0.2829

56.6719, 0.2910,
0.2544

85.6147, 0.3076,
0.3097

45.2840, 0.2808,
0.2249

99.9337, 0.3133,
0.3300

35.8155, 0.2696,
0.1954

28.1526, 0.2574,
0.1672

■ 22.1691, 0.2449,
0.1417

■ 17.7220, 0.2323,
0.1203

■ 14.6427, 0.2204,
0.1042

■ 12.7090, 0.2096,
0.0935

■ 12.3527, 0.2072,
0.0915

Harmonies

Analogous

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



70.0803, 0.2736, 0.2787



70.0803, 0.2999, 0.2829



70.0803, 0.3310, 0.2979

Triad

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



70.0803, 0.2999, 0.2829



70.0803, 0.3701, 0.3687



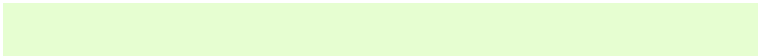
70.0803, 0.2688, 0.3355

Complementary

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



70.0803, 0.2999, 0.2829



92.2845, 0.3237, 0.3755

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.



70.0803, 0.2930, 0.3634



70.0803, 0.2999, 0.2829



70.0803, 0.3516, 0.3822

Square

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



70.0803, 0.2999, 0.2829



70.0803, 0.3726, 0.3460



70.0803, 0.3232, 0.3809



70.0803, 0.2563, 0.3073

Rectangle

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



70.0803, 0.2999, 0.2829



70.0803, 0.3501, 0.3124



70.0803, 0.3232, 0.3809



70.0803, 0.2757, 0.3453

Sweetspot

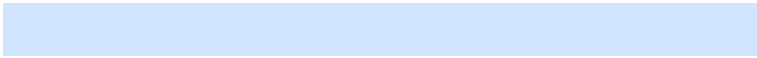
The Sweet Spot groups the original color and five complimentary colors.



70.0833, 0.2999, 0.2829



91.0233, 0.3095, 0.3166



77.2975, 0.2846, 0.3036



19.2224, 0.3090, 0.3148



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.



70.0833, 0.2999, 0.2829



66.0326, 0.2971, 0.2737



73.7273, 0.3158, 0.2864



17.8552, 0.3063, 0.3050



6.6031, 0.2089, 0.0924



0.7080, 0.2207, 0.0990

Inverse Universe

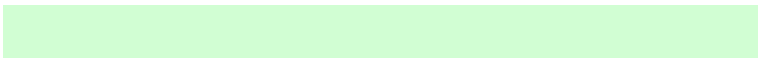
The Inverse Universe completely reimagines the original color for something new.



72.3804, 0.3316, 0.3080



68.7571, 0.3359, 0.3038



89.0980, 0.3096, 0.3757



18.1280, 0.3221, 0.3180



11.8326, 0.5108, 0.2588



1.1739, 0.4836, 0.2437

Previews

White Background



This preview shows how the Yxy color 70.0803, 0.2999, 0.2829 looks on a white background.

Color Contrast Check

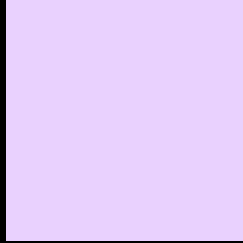
Large Text (above 18pt) WCAG AA × Fail

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 70.0803, 0.2999, 0.2829 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

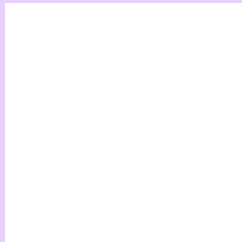
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0803, 0.2999, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 70.0803, 0.2999, 0.2829.

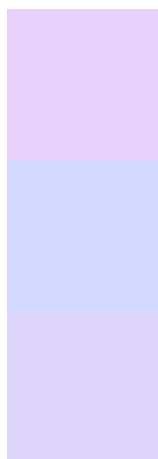


This preview shows how white text looks on a background with the Yxy color 70.0803, 0.2999, 0.2829.

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

70.0803, 0.2999, 0.2829

Protanopia

70.0334, 0.2839, 0.2874

Deuteranopia

70.2099, 0.2930, 0.2871



Tritanopia

69.9597, 0.3128, 0.3109

Trichromacy



Original Color

70.0803, 0.2999, 0.2829

Protanomaly

69.7139, 0.2890, 0.2848

Deuteranomaly

70.3476, 0.2957, 0.2864

Tritanomaly

70.1420, 0.3076, 0.3006

Monochromacy



Original Color

70.0803, 0.2999, 0.2829

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.5165, 0.3078, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0803, 0.2999, 0.2829 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(233, 209, 254)` looks like.

```
.text, #text, p{  
    color:rgb(233, 209, 254)  
}
```

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(233, 209, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 209, 254) }
```

Border

The CSS property to change the border of an element to Yxy 70.0803, 0.2999, 0.2829 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(233, 209, 254) }
```

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

```
.border{ border-color:rgb(233, 209, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 209, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 209, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 209, 254);  
box-shadow:4px 4px 4px 4px rgb(233, 209,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0803, 0.2999, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 209, 254) }
```

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

```
.background{ background-color: rgb(233,  
209, 254) }
```

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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