

Converting Colors

$Y_{xy}(70.7809, 0.2980, 0.2894)$

Have a look what the booklet for
Yxy(70.7809, 0.2980, 0.2894)
contains.

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Color

Yxy(70.8844, 0.2976, 0.2895)

Conversions

Conversions Part 1

Format	Color
Hex	E3D5FB
RGB	227, 213, 251
RGB Percent	89%, 84%, 98%
CMY	0.1101, 0.1646, 0.0157
CMYK	0.10, 0.15, 0.00, 0.02
HSL	262°, 83%, 91%
HSV	262°, 15%, 98%
XYZ	72.8677, 70.8844, 101.0990
YIQ	221.5180, -3.8540, 14.7860

Conversions

Conversions Part 2

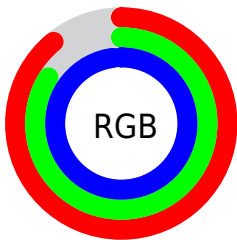
Format	Color
R _Y B	227, 213, 251
Decimal	14931451
CIE Lab	87.43, 11.80, -16.79
CIE LCh	87, 20.524, 305.107
Yxy	70.8844, 0.2976, 0.2895
Android (android.graphics.Color)	4293121531 (0xFFE3D5FB)
YUV	221.5180, 14.5346, 4.8077
Hunter-Lab	84.1929, 7.1516, -12.2606

Details

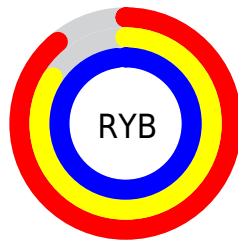
The Yxy color $70.8844, 0.2976, 0.2895$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $91.8131, 0.3263, 0.3677$, and the grayscale version is $72.5833, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.0067, 0.2938, 0.2806$ is the 20% darker color. If you saturate the color by 10%, you get $56.7537, 0.2856, 0.2604$, and if you desaturate by 10%, it is $87.2140, 0.3080, 0.3163$.

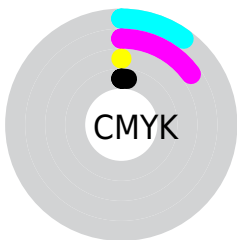
Distribution



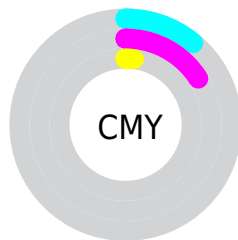
- Red (89%)
- Green (84%)
- Blue (98%)



- Red (89%)
- Yellow (84%)
- Blue (98%)



- Cyan (10%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)





- Cyan (11%)
- Magenta (16%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8844, 0.2976, 0.2895 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 70.8844, 0.2976, 0.2895 by changing the saturation by 10% instead.

 70.8844, 0.2976,
0.2895

 70.8844, 0.2976,
0.2895

463.6492, 0.3048,
0.3074

 52.2479, 0.2959,
0.2855


120.4691, 0.3001,
0.2956

 37.2027, 0.2939,
0.2806


152.1861, 0.3011,
0.2980

 25.3645, 0.2912,
0.2745

189.0320, 0.3019,
0.3001

 16.3488, 0.2877,
0.2666

231.3912, 0.3026,
0.3019

 9.7713, 0.2829,
0.2562

279.6481, 0.3033,
0.3035

 5.2476, 0.2758,
0.2416

334.1872, 0.3038,

 2.3933, 0.2647,

0.3050

0.2199

395.3928, 0.3043,
0.3063

0.8224, 0.2447,
0.1845

0.0000, 0.0200,
0.0000

70.8844, 0.2976,
0.2895

70.8844, 0.2976,
0.2895

56.7537, 0.2856,
0.2604

87.2140, 0.3080,
0.3163

44.7169, 0.2721,
0.2295

99.7444, 0.3150,
0.3328

34.6737, 0.2572,
0.1977

26.5120, 0.2413,
0.1664

■ 20.1078, 0.2251,
0.1373

■ 15.3221, 0.2093,
0.1121

■ 11.9934, 0.1949,
0.0926

■ 9.9244, 0.1826,
0.0796

■ 9.2360, 0.1775,
0.0751

Harmonies

Analogous

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



70.8844, 0.2773, 0.2882



70.8844, 0.2976, 0.2895



70.8844, 0.3228, 0.3003

Triad

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



70.8844, 0.2976, 0.2895



70.8844, 0.3610, 0.3586



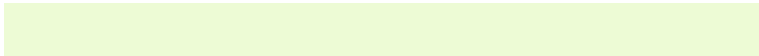
70.8844, 0.2800, 0.3392

Complementary

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



70.8844, 0.2976, 0.2895



91.8131, 0.3263, 0.3677

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.



70.8844, 0.3014, 0.3604



70.8844, 0.2976, 0.2895



70.8844, 0.3484, 0.3711

Square

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



70.8844, 0.2976, 0.2895



70.8844, 0.3602, 0.3391



70.8844, 0.3265, 0.3723



70.8844, 0.2675, 0.3158

Rectangle

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



70.8844, 0.2976, 0.2895



70.8844, 0.3389, 0.3117



70.8844, 0.3265, 0.3723



70.8844, 0.2864, 0.3469

Sweetspot

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



70.8874, 0.2976, 0.2895



90.6328, 0.3081, 0.3166



82.0915, 0.2892, 0.3150



19.1276, 0.3074, 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.



70.8874, 0.2976, 0.2895



69.0244, 0.2943, 0.2813



74.0332, 0.3104, 0.2910



16.9525, 0.3036, 0.3049



4.9305, 0.1791, 0.0760



0.5144, 0.1921, 0.0832

Inverse Universe

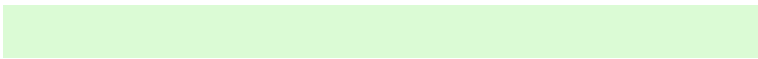
The Inverse Universe completely reimagines the original color for something new.



74.2299, 0.3240, 0.3049



73.0942, 0.3265, 0.3001



88.8109, 0.3144, 0.3692



17.4104, 0.3194, 0.3141



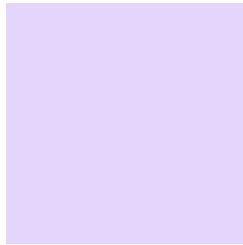
12.1265, 0.4406, 0.2201



1.1435, 0.4224, 0.2101

Previews

White Background



This preview shows how the Yxy color 70.8844, 0.2976, 0.2895 looks on a white background.

Color Contrast Check

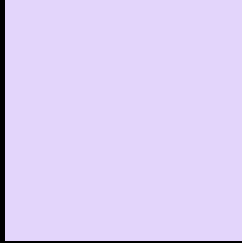
Large Text (above 18pt) WCAG AA × Fail

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 70.8844, 0.2976, 0.2895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

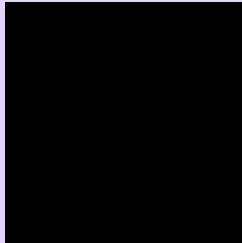
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8844, 0.2976, 0.2895

Background



This preview shows how black text looks on a background with the Yxy color 70.8844, 0.2976, 0.2895.

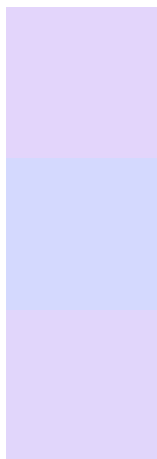


This preview shows how white text looks on a background with the Yxy color 70.8844, 0.2976, 0.2895.

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

70.8844, 0.2976, 0.2895

Protanopia

70.7785, 0.2858, 0.2896

Deuteranopia

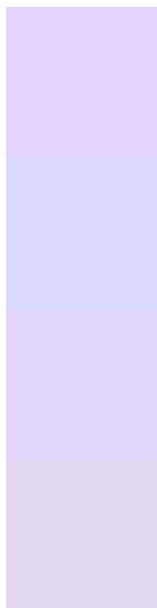
71.0657, 0.2963, 0.2904



Tritanopia

70.8422, 0.3071, 0.3108

Trichromacy



Original Color

70.8844, 0.2976, 0.2895

Protanomaly

70.9553, 0.2897, 0.2899

Deuteranomaly

71.2269, 0.2970, 0.2905

Tritanomaly

70.8997, 0.3033, 0.3025

Monochromacy



Original Color

70.8844, 0.2976, 0.2895

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.3935, 0.3071, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8844, 0.2976, 0.2895 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(227, 213, 251)` looks like.

```
.text, #text, p{  
    color:rgb(227, 213, 251)  
}
```

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(227, 213, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 213, 251) }
```

Border

The CSS property to change the border of an element to Yxy 70.8844, 0.2976, 0.2895 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(227, 213, 251) }
```

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

```
.border{ border-color:rgb(227, 213, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 213, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 213, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 213, 251);  
box-shadow:4px 4px 4px 4px rgb(227, 213,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8844, 0.2976, 0.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 213, 251) }
```

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

```
.background{ background-color: rgb(227,  
213, 251) }
```

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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