

Converting Colors

$Y_{xy}(70.0801, 0.2909, 0.2772)$

Have a look what the booklet for
Yxy(70.0801, 0.2909, 0.2772)
contains.

Yxy(69.4819, 0.2944, 0.2823)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.4819, 0.2944, 0.2823)

Conversions

Conversions Part 1

Format	Color
Hex	E2D2FF
RGB	226, 210, 255
RGB Percent	89%, 82%, 100%
CMY	0.1137, 0.1765, 0.0001
CMYK	0.11, 0.18, 0.00, 0.00
HSL	261°, 100%, 91%
HSV	261°, 18%, 100%
XYZ	72.4600, 69.4819, 104.1859
YIQ	219.9140, -4.9090, 17.3870

Conversions

Conversions Part 2

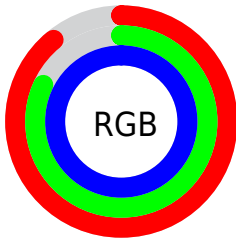
Format	Color
R _Y B	226, 210, 255
Decimal	14865151
CIE Lab	86.74, 13.91, -19.94
CIE LCh	87, 24.311, 304.896
Yxy	69.4819, 0.2944, 0.2823
Android (android.graphics.Color)	4293055231 (0xFFE2D2FF)
YUV	219.9140, 17.2974, 5.3374
Hunter-Lab	83.3558, 9.2949, -15.7572

Details

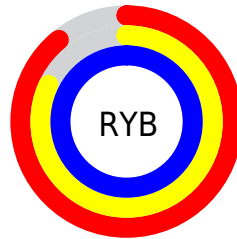
The Yxy color **69.4819, 0.2944, 0.2823** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.5109, 0.3288, 0.3745**, and the grayscale version is **71.3888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.4002, 0.2896, 0.2727** is the 20% darker color. If you saturate the color by 10%, you get **55.3513, 0.2818, 0.2526**, and if you desaturate by 10%, it is **85.8786, 0.3054, 0.3097**.

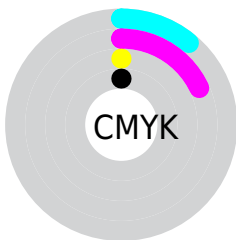
Distribution



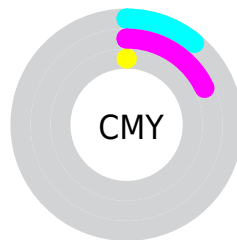
- Red (89%)
- Green (82%)
- Blue (100%)



- Red (89%)
- Yellow (82%)
- Blue (100%)



- Cyan (11%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4819, 0.2944, 0.2823 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 69.4819, 0.2944, 0.2823 by changing the saturation by 10% instead.

69.4819, 0.2944,
0.2823

69.4819, 0.2944,
0.2823

458.7288, 0.3031,
0.3034

51.1043, 0.2924,
0.2776

118.4696, 0.2975,
0.2895

36.2916, 0.2898,
0.2719

149.8485, 0.2986,
0.2924

24.6595, 0.2866,
0.2647

186.3299, 0.2997,
0.2948

15.8235, 0.2823,
0.2555

228.2982, 0.3005,
0.2970

9.3994, 0.2764,
0.2433

276.1379, 0.3013,
0.2989

5.0026, 0.2678,
0.2265

330.2333, 0.3020,

2.2488, 0.2541,

0.3006

0.2017

390.9688, 0.3026,
0.3021

0.7464, 0.2303,
0.1612

0.0000, 0.0000,
0.0000

69.4819, 0.2944,
0.2823

69.4819, 0.2944,
0.2823

55.3513, 0.2818,
0.2526

85.8786, 0.3054,
0.3097

43.3762, 0.2677,
0.2212

99.9990, 0.3127,
0.3290

33.4495, 0.2522,
0.1893

25.4516, 0.2359,
0.1582

■ 19.2497, 0.2195,
0.1297

■ 14.6936, 0.2039,
0.1057

■ 11.6075, 0.1899,
0.0878

■ 9.7613, 0.1783,
0.0764

■ 9.4292, 0.1759,
0.0742

Harmonies

Analogous

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



69.4819, 0.2705, 0.2806



69.4819, 0.2944, 0.2823



69.4819, 0.3243, 0.2950

Triad

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



69.4819, 0.2944, 0.2823



69.4819, 0.3704, 0.3637



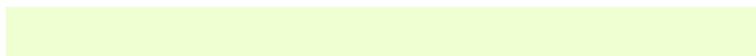
69.4819, 0.2740, 0.3412

Complementary

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



69.4819, 0.2944, 0.2823



94.5109, 0.3288, 0.3745

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.



69.4819, 0.2993, 0.3670



69.4819, 0.2944, 0.2823



69.4819, 0.3553, 0.3791

Square

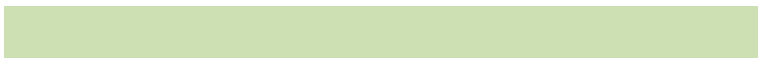
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.4819, 0.2944, 0.2823



69.4819, 0.3694, 0.3405



69.4819, 0.3291, 0.3810



69.4819, 0.2592, 0.3131

Rectangle

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



69.4819, 0.2944, 0.2823



69.4819, 0.3437, 0.3082



69.4819, 0.3291, 0.3810



69.4819, 0.2815, 0.3506

Sweetspot

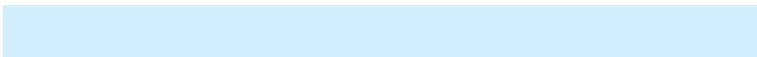
The Sweet Spot groups the original color and five complimentary colors.



69.4848, 0.2944, 0.2823



90.6086, 0.3080, 0.3166



82.7960, 0.2852, 0.3125



19.1217, 0.3073, 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.



69.4848, 0.2944, 0.2823



64.4978, 0.2904, 0.2726



73.3145, 0.3100, 0.2845



17.6921, 0.3035, 0.3048



5.0033, 0.1775, 0.0751



0.5458, 0.1898, 0.0819

Inverse Universe

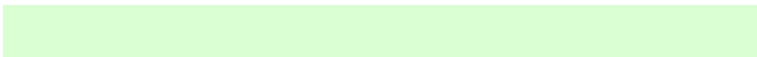
The Inverse Universe completely reimagines the original color for something new.



73.5835, 0.3258, 0.3002



69.2964, 0.3288, 0.2945



90.8773, 0.3146, 0.3766



18.1842, 0.3193, 0.3138



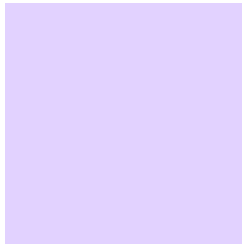
12.5439, 0.4365, 0.2178



1.2422, 0.4198, 0.2086

Previews

White Background



This preview shows how the Yxy color 69.4819, 0.2944, 0.2823 looks on a white background.

Color Contrast Check

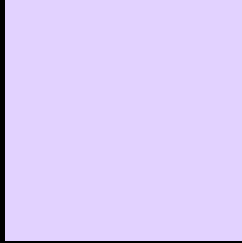
Large Text (above 18pt) WCAG AA × Fail

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 69.4819, 0.2944, 0.2823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

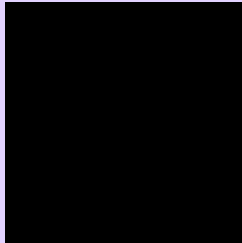
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.4819, 0.2944, 0.2823

Background



This preview shows how black text looks on a background with the Yxy color 69.4819, 0.2944, 0.2823.

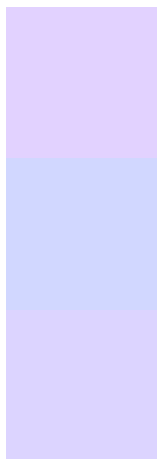


This preview shows how white text looks on a background with the Yxy color 69.4819, 0.2944, 0.2823.

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

69.4819, 0.2944, 0.2823

Protanopia

69.3762, 0.2832, 0.2862

Deuteranopia

69.5226, 0.2903, 0.2839



Tritanopia

69.3923, 0.3071, 0.3107

Trichromacy



Original Color

69.4819, 0.2944, 0.2823

Protanomaly

69.2556, 0.2870, 0.2845

Deuteranomaly

69.3381, 0.2917, 0.2830

Tritanomaly

69.5677, 0.3019, 0.3002

Monochromacy



Original Color

69.4819, 0.2944, 0.2823

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.5245, 0.3057, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4819, 0.2944, 0.2823 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(226, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 210, 255)  
}
```

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(226, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 210, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.4819, 0.2944, 0.2823 is called "border". The border property can be set on classes, ids or directly on the HTML element.

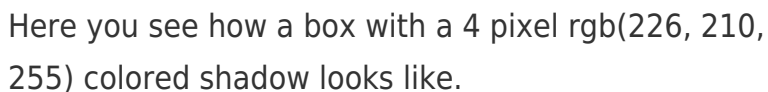
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 210, 255) }
```

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

```
.border{ border-color:rgb(226, 210, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 210, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 210, 255); box-shadow:4px 4px 4px 4px rgb(226, 210, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4819, 0.2944, 0.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 210, 255) }
```

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

```
.background{ background-color: rgb(226,  
210, 255) }
```

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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