

Converting Colors

$Y_{xy}(71.7586, 0.2996, 0.2852)$

Have a look what the booklet for
Yxy(71.7586, 0.2996, 0.2852)
contains.

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Color

Yxy(71.7994, 0.2999, 0.2851)

Conversions

Conversions Part 1

Format	Color
Hex	EAD4FF
RGB	234, 212, 255
RGB Percent	92%, 83%, 100%
CMY	0.0824, 0.1686, 0.0000
CMYK	0.08, 0.17, 0.00, 0.00
HSL	271°, 100%, 92%
HSV	271°, 17%, 100%
XYZ	75.5266, 71.7994, 104.5133
YIQ	223.4800, -0.6910, 18.0370

Conversions

Conversions Part 2

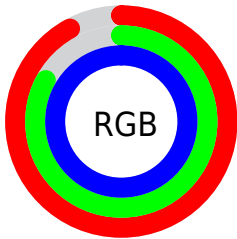
Format	Color
R_{YB}	234, 212, 255
Decimal	15389951
CIE _{Lab}	87.87, 15.39, -18.20
CIE _{LCh}	88, 23.835, 310.226
Yxy	71.7994, 0.2999, 0.2851
Android (android.graphics.Color)	4293580031 (0xFFEAD4FF)
YUV	223.4800, 15.5394, 9.2260
Hunter-Lab	84.7345, 10.8174, -13.8154

Details

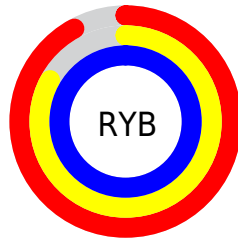
The Yxy color **71.7994, 0.2999, 0.2851** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.5997, 0.3238, 0.3730**, and the grayscale version is **74.0379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.6561, 0.2968, 0.2752** is the 20% darker color. If you saturate the color by 10%, you get **58.0064, 0.2906, 0.2566**, and if you desaturate by 10%, it is **87.7556, 0.3079, 0.3119**.

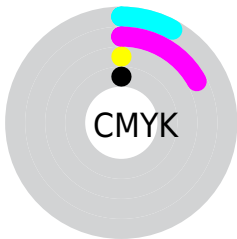
Distribution



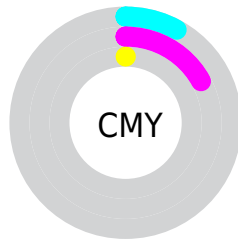
- Red (92%)
- Green (83%)
- Blue (100%)



- Red (92%)
- Yellow (83%)
- Blue (100%)



- Cyan (8%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7994, 0.2999, 0.2851 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 71.7994, 0.2999, 0.2851 by changing the saturation by 10% instead.


 71.7994, 0.2999,
0.2851

 71.7994, 0.2999,
0.2851


466.8431, 0.3060,
0.3048

 52.9948, 0.2985,
0.2807


121.7713, 0.3021,
0.2918

 37.7986, 0.2967,
0.2754


153.7074, 0.3029,
0.2945

 25.8264, 0.2943,
0.2688


190.7895, 0.3036,
0.2968

 16.6938, 0.2913,
0.2603

233.4019, 0.3042,
0.2988

 10.0165, 0.2870,
0.2491

281.9291, 0.3048,
0.3006

 5.4099, 0.2808,
0.2336

336.7554, 0.3052,

 2.4897, 0.2708,

0.3021

0.2109

398.2653, 0.3057,
0.3036

0.8715, 0.2529,
0.1751

0.0000, 0.1299,
0.0000

71.7994, 0.2999,
0.2851

71.7994, 0.2999,
0.2851

58.0064, 0.2906,
0.2566

87.7556, 0.3079,
0.3119

46.2769, 0.2801,
0.2269

100.0000, 0.3127,
0.3290

36.5068, 0.2683,
0.1971

28.5817, 0.2557,
0.1683

■ 22.3748, 0.2426,
0.1421

■ 17.7427, 0.2295,
0.1199

■ 14.5176, 0.2171,
0.1030

■ 12.4874, 0.2059,
0.0918

■ 11.9972, 0.2027,
0.0890

Harmonies

Analogous

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



71.7994, 0.2752, 0.2815



71.7994, 0.2999, 0.2851



71.7994, 0.3292, 0.2991

Triad

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



71.7994, 0.2999, 0.2851



71.7994, 0.3671, 0.3661



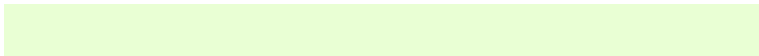
71.7994, 0.2717, 0.3360

Complementary

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



71.7994, 0.2999, 0.2851



93.5997, 0.3238, 0.3730

Split Complementary

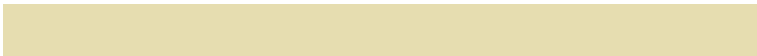
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.7994, 0.2949, 0.3619



71.7994, 0.2999, 0.2851



71.7994, 0.3501, 0.3790

Square

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



71.7994, 0.2999, 0.2851



71.7994, 0.3690, 0.3445



71.7994, 0.3235, 0.3780



71.7994, 0.2595, 0.3093

Rectangle

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



71.7994, 0.2999, 0.2851



71.7994, 0.3473, 0.3127



71.7994, 0.3235, 0.3780



71.7994, 0.2784, 0.3452

Sweetspot

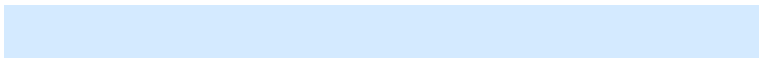
The Sweet Spot groups the original color and five complimentary colors.



71.8002, 0.2999, 0.2851



90.9706, 0.3093, 0.3166



79.7805, 0.2861, 0.3064



19.2096, 0.3088, 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.



71.8002, 0.2999, 0.2851



67.2418, 0.2971, 0.2764



75.5694, 0.3147, 0.2871



17.8344, 0.3059, 0.3050



6.3580, 0.2043, 0.0899



0.6841, 0.2164, 0.0966

Inverse Universe

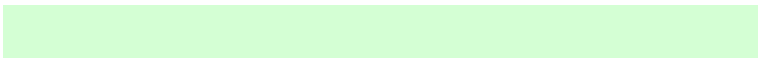
The Inverse Universe completely reimagines the original color for something new.



74.2334, 0.3299, 0.3081



70.0985, 0.3337, 0.3040



90.2715, 0.3106, 0.3748



18.1350, 0.3217, 0.3174



11.9072, 0.5013, 0.2535



1.1814, 0.4752, 0.2391

Previews

White Background



This preview shows how the Yxy color 71.7994, 0.2999, 0.2851 looks on a white background.

Color Contrast Check

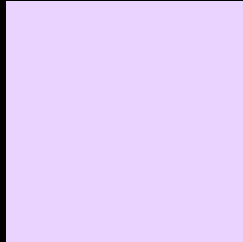
Large Text (above 18pt) WCAG AA × Fail

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 71.7994, 0.2999, 0.2851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

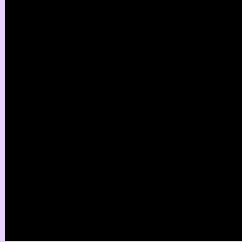
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

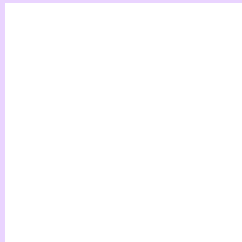
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7994, 0.2999, 0.2851

Background



This preview shows how black text looks on a background with the Yxy color 71.7994, 0.2999, 0.2851.

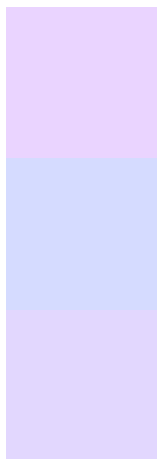


This preview shows how white text looks on a background with the Yxy color 71.7994, 0.2999, 0.2851.

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

71.7994, 0.2999, 0.2851

Protanopia

72.0292, 0.2860, 0.2909

Deuteranopia

71.9254, 0.2951, 0.2886



Tritanopia

71.8179, 0.3114, 0.3111

Trichromacy



Original Color

71.7994, 0.2999, 0.2851

Protanomaly

71.7039, 0.2911, 0.2882

Deuteranomaly

71.9069, 0.2971, 0.2878

Tritanomaly

71.9407, 0.3069, 0.3019

Monochromacy



Original Color

71.7994, 0.2999, 0.2851

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.9921, 0.3079, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7994, 0.2999, 0.2851 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(234, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 212, 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(234, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.7994, 0.2999, 0.2851 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(234, 212, 255) }
```

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

```
.border{ border-color:rgb(234, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7994, 0.2999, 0.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 212, 255) }
```

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

```
.background{ background-color: rgb(234,  
212, 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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