

Converting Colors

$Y_{xy}(72.8957, 0.2849, 0.2722)$

Have a look what the booklet for
Yxy(72.8957, 0.2849, 0.2722)
contains.

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Color

Yxy(71.9896, 0.2945, 0.2876)

Conversions

Conversions Part 1

Format	Color
Hex	E2D7FF
RGB	226, 215, 255
RGB Percent	89%, 84%, 100%
CMY	0.1136, 0.1569, 0.0001
CMYK	0.11, 0.16, 0.00, 0.00
HSL	257°, 100%, 92%
HSV	257°, 16%, 100%
XYZ	73.7167, 71.9896, 104.6052
YIQ	222.8490, -6.2840, 14.7720

Conversions

Conversions Part 2

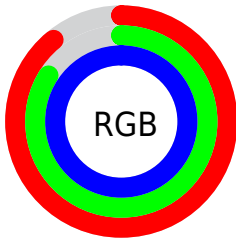
Format	Color
R _Y B	226, 215, 255
Decimal	14866431
CIE Lab	87.96, 11.27, -18.10
CIE LCh	88, 21.320, 301.908
Yxy	71.9896, 0.2945, 0.2876
Android (android.graphics.Color)	4293056511 (0xFFE2D7FF)
YUV	222.8490, 15.8504, 2.7634
Hunter-Lab	84.8467, 6.6032, -13.7044

Details

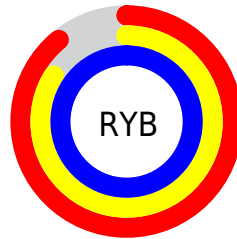
The Yxy color **71.9896, 0.2945, 0.2876** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.6449, 0.3291, 0.3690**, and the grayscale version is **73.5710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7649, 0.2898, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **57.1754, 0.2807, 0.2578**, and if you desaturate by 10%, it is **89.1552, 0.3066, 0.3148**.

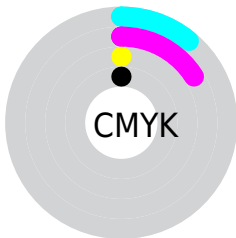
Distribution



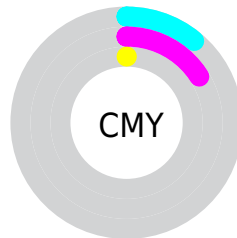
- Red (89%)
- Green (84%)
- Blue (100%)



- Red (89%)
- Yellow (84%)
- Blue (100%)



- Cyan (11%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9896, 0.2945, 0.2876 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 71.9896, 0.2945, 0.2876 by changing the saturation by 10% instead.

71.9896, 0.2945,
0.2876

71.9896, 0.2945,
0.2876

467.5054, 0.3031,
0.3063

53.1502, 0.2925,
0.2834

122.0417, 0.2975,
0.2940

37.9227, 0.2901,
0.2784

154.0233, 0.2986,
0.2965

25.9227, 0.2869,
0.2720

191.1543, 0.2996,
0.2987

16.7658, 0.2828,
0.2639

233.8191, 0.3005,
0.3006

10.0677, 0.2772,
0.2531

282.4023, 0.3013,
0.3023

5.4438, 0.2691,
0.2381

337.2881, 0.3019,

2.5100, 0.2564,

0.3038

0.2160

398.8610, 0.3025,
0.3051

0.8816, 0.2343,
0.1807

0.0000, 0.0562,
0.0000

71.9896, 0.2945,
0.2876

71.9896, 0.2945,
0.2876

57.1754, 0.2807,
0.2578

89.1552, 0.3066,
0.3148

44.6001, 0.2651,
0.2260

99.9991, 0.3127,
0.3290

34.1551, 0.2482,
0.1930

25.7192, 0.2304,
0.1605

■ 19.1587, 0.2126,
0.1303

■ 14.3231, 0.1959,
0.1044

■ 11.0380, 0.1813,
0.0848

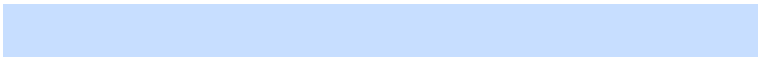
■ 9.0889, 0.1698,
0.0723

■ 8.5313, 0.1657,
0.0686

Harmonies

Analogous

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



71.9896, 0.2744, 0.2873



71.9896, 0.2945, 0.2876



71.9896, 0.3203, 0.2978

Triad

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



71.9896, 0.2945, 0.2876



71.9896, 0.3632, 0.3576



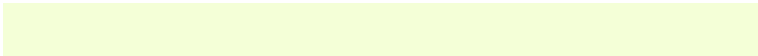
71.9896, 0.2810, 0.3421

Complementary

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



71.9896, 0.2945, 0.2876



95.6449, 0.3291, 0.3690

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.



71.9896, 0.3037, 0.3634



71.9896, 0.2945, 0.2876



71.9896, 0.3516, 0.3716

Square

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



71.9896, 0.2945, 0.2876



71.9896, 0.3608, 0.3371



71.9896, 0.3296, 0.3743



71.9896, 0.2669, 0.3177

Rectangle

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



71.9896, 0.2945, 0.2876



71.9896, 0.3372, 0.3091



71.9896, 0.3296, 0.3743



71.9896, 0.2878, 0.3500

Sweetspot

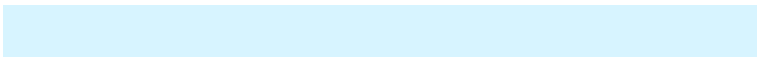
The Sweet Spot groups the original color and five complimentary colors.



71.9926, 0.2945, 0.2876



90.4233, 0.3074, 0.3165



86.5627, 0.2884, 0.3180



19.0768, 0.3066, 0.3147



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.



71.9926, 0.2945, 0.2876



66.8283, 0.2901, 0.2780



75.3513, 0.3080, 0.2893



17.6199, 0.3022, 0.3047



4.5215, 0.1671, 0.0694



0.4918, 0.1785, 0.0757

Inverse Universe

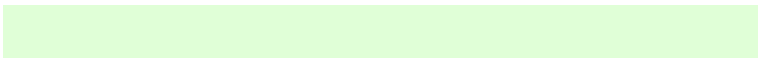
The Inverse Universe completely reimagines the original color for something new.



76.3885, 0.3220, 0.3005



72.0576, 0.3243, 0.2942



92.3179, 0.3166, 0.3706



18.2099, 0.3180, 0.3119



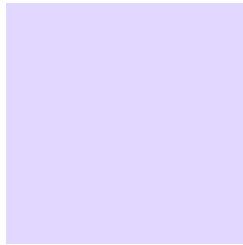
12.9596, 0.4058, 0.2009



1.2803, 0.3938, 0.1943

Previews

White Background



This preview shows how the Yxy color 71.9896, 0.2945, 0.2876 looks on a white background.

Color Contrast Check

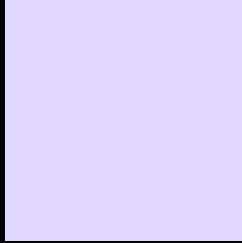
Large Text (above 18pt) WCAG AA × Fail

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 71.9896, 0.2945, 0.2876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

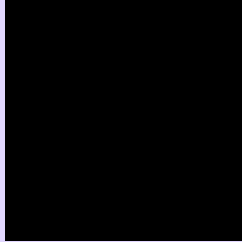
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9896, 0.2945, 0.2876

Background



This preview shows how black text looks on a background with the Yxy color 71.9896, 0.2945, 0.2876.

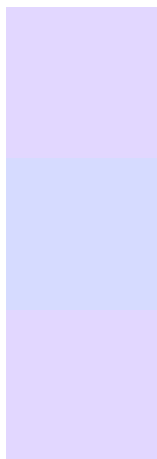


This preview shows how white text looks on a background with the Yxy color 71.9896, 0.2945, 0.2876.

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

71.9896, 0.2945, 0.2876

Protanopia

72.1792, 0.2866, 0.2909

Deuteranopia

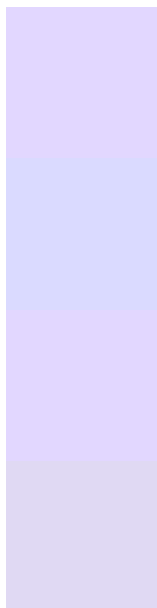
71.9896, 0.2945, 0.2876



Tritanopia

71.8869, 0.3044, 0.3098

Trichromacy



Original Color

71.9896, 0.2945, 0.2876

Protanomaly

72.2682, 0.2892, 0.2902

Deuteranomaly

71.9896, 0.2945, 0.2876

Tritanomaly

71.9441, 0.3007, 0.3016

Monochromacy



Original Color

71.9896, 0.2945, 0.2876

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

73.0319, 0.3057, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9896, 0.2945, 0.2876 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 215, 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, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.9896, 0.2945, 0.2876 is called "border". The border property can be set on classes, ids or directly on the HTML element.

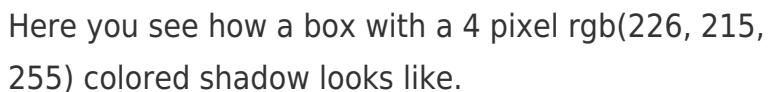
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 215, 255) }
```

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

```
.border{ border-color:rgb(226, 215, 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, 215, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9896, 0.2945, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 215, 255) }
```

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

```
.background{ background-color: rgb(226,  
215, 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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