

Converting Colors

$Y_{xy}(70.5469, 0.2953, 0.2872)$

Have a look what the booklet for
Yxy(70.5469, 0.2953, 0.2872)
contains.

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Color

Yxy(70.6879, 0.2950, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	E1D5FD
RGB	225, 213, 253
RGB Percent	88%, 84%, 99%
CMY	0.1176, 0.1647, 0.0077
CMYK	0.11, 0.16, 0.00, 0.01
HSL	258°, 91%, 91%
HSV	258°, 16%, 99%
XYZ	72.5824, 70.6879, 102.7718
YIQ	221.1480, -5.6880, 14.9840

Conversions

Conversions Part 2

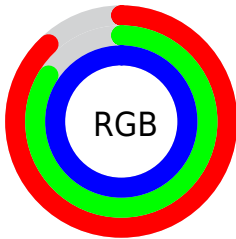
Format	Color
R _{YB}	225, 213, 253
Decimal	14800381
CIE Lab	87.33, 11.62, -18.03
CIE LCh	87, 21.445, 302.802
Yxy	70.6879, 0.2950, 0.2873
Android (android.graphics.Color)	4292990461 (0xFFE1D5FD)
YUV	221.1480, 15.7030, 3.3782
Hunter-Lab	84.0761, 6.9649, -13.6208

Details

The Yxy color $70.6879, 0.2950, 0.2873$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.7765, 0.3286, 0.3694$, and the grayscale version is $72.3103, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.9853, 0.2913, 0.2779$ is the 20% darker color. If you saturate the color by 10%, you get $56.2397, 0.2816, 0.2576$, and if you desaturate by 10%, it is $87.4229, 0.3067, 0.3144$.

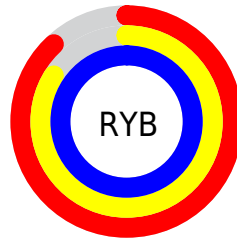
Distribution



Red (88%)

Green (84%)

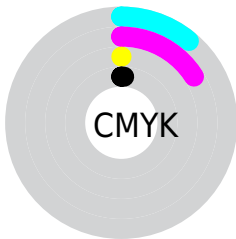
Blue (99%)



Red (88%)

Yellow (84%)

Blue (99%)

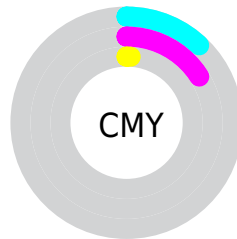


Cyan (11%)

Magenta (16%)

Yellow (0%)

Black (1%)



Cyan (12%)


Magenta (16%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6879, 0.2950, 0.2873 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 70.6879, 0.2950, 0.2873 by changing the saturation by 10% instead.

 70.6879, 0.2950,
0.2873

 70.6879, 0.2950,
0.2873


462.9617, 0.3034,
0.3062

 52.0875, 0.2931,
0.2831

120.1892, 0.2979,
0.2938

 37.0749, 0.2906,
0.2779


151.8590, 0.2991,
0.2963

 25.2655, 0.2876,
0.2715


188.6540, 0.3000,
0.2985

 16.2749, 0.2835,
0.2632

230.9587, 0.3009,
0.3004

 9.7189, 0.2779,
0.2522

279.1574, 0.3016,
0.3021

 5.2130, 0.2698,
0.2369

333.6345, 0.3023,

 2.3728, 0.2571,

0.3036

0.2142

394.7745, 0.3028,
0.3050

0.8118, 0.2346,
0.1774

0.0000, 0.0032,
0.0000

70.6879, 0.2950,
0.2873

70.6879, 0.2950,
0.2873

56.2397, 0.2816,
0.2576

87.4229, 0.3067,
0.3144

43.9687, 0.2666,
0.2260

99.8738, 0.3138,
0.3309

33.7693, 0.2502,
0.1934

25.5237, 0.2329,
0.1612

■ 19.1017, 0.2155,
0.1314

■ 14.3569, 0.1990,
0.1058

■ 11.1192, 0.1844,
0.0864

■ 9.1794, 0.1727,
0.0739

■ 8.6293, 0.1686,
0.0702

Harmonies

Analogous

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



70.6879, 0.2744, 0.2867



70.6879, 0.2950, 0.2873



70.6879, 0.3211, 0.2979

Triad

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



70.6879, 0.2950, 0.2873



70.6879, 0.3637, 0.3584



70.6879, 0.2800, 0.3415

Complementary

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



70.6879, 0.2950, 0.2873



93.7765, 0.3286, 0.3694

Split Complementary

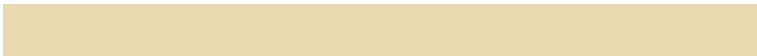
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.6879, 0.3028, 0.3633



70.6879, 0.2950, 0.2873



70.6879, 0.3515, 0.3724

Square

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



70.6879, 0.2950, 0.2873



70.6879, 0.3617, 0.3378



70.6879, 0.3290, 0.3747



70.6879, 0.2661, 0.3169

Rectangle

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



70.6879, 0.2950, 0.2873



70.6879, 0.3383, 0.3094



70.6879, 0.3290, 0.3747



70.6879, 0.2868, 0.3495

Sweetspot

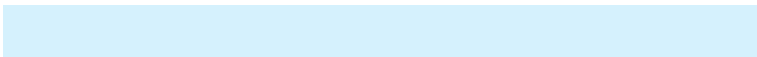
The Sweet Spot groups the original color and five complimentary colors.



70.6909, 0.2950, 0.2873



90.4802, 0.3076, 0.3166



84.1622, 0.2881, 0.3164



19.0906, 0.3068, 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.



70.6909, 0.2950, 0.2873



67.0154, 0.2909, 0.2781



74.0974, 0.3089, 0.2890



17.6421, 0.3026, 0.3048



4.6550, 0.1700, 0.0710



0.5072, 0.1818, 0.0775

Inverse Universe

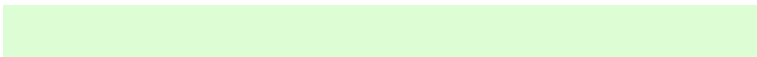
The Inverse Universe completely reimagines the original color for something new.



74.8267, 0.3228, 0.3012



71.9861, 0.3251, 0.2953



90.4466, 0.3157, 0.3710



18.2020, 0.3184, 0.3125



12.8252, 0.4150, 0.2060



1.2681, 0.4016, 0.1986

Previews

White Background



This preview shows how the Yxy color 70.6879, 0.2950, 0.2873 looks on a white background.

Color Contrast Check

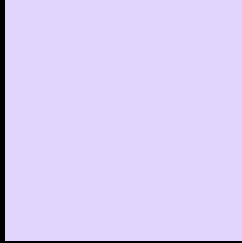
Large Text (above 18pt) WCAG AA × Fail

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 70.6879, 0.2950, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

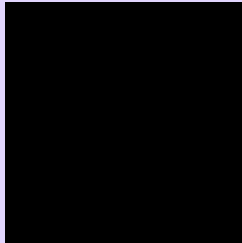
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6879, 0.2950, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 70.6879, 0.2950, 0.2873.

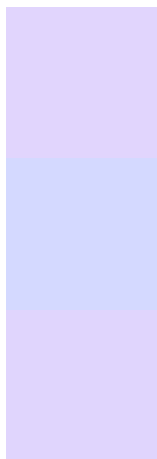


This preview shows how white text looks on a background with the Yxy color 70.6879, 0.2950, 0.2873.

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

70.6879, 0.2950, 0.2873

Protanopia

70.8428, 0.2853, 0.2886

Deuteranopia

70.5276, 0.2943, 0.2873



Tritanopia

70.5245, 0.3057, 0.3107

Trichromacy



Original Color

70.6879, 0.2950, 0.2873

Protanomaly

71.0192, 0.2891, 0.2889

Deuteranomaly

70.5276, 0.2943, 0.2873

Tritanomaly

70.5801, 0.3019, 0.3024

Monochromacy



Original Color

70.6879, 0.2950, 0.2873

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.5556, 0.3057, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6879, 0.2950, 0.2873 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(225, 213, 253)` looks like.

```
.text, #text, p{  
    color:rgb(225, 213, 253)  
}
```

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(225, 213, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 213, 253) }
```

Border

The CSS property to change the border of an element to Yxy 70.6879, 0.2950, 0.2873 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(225, 213, 253) }
```

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

```
.border{ border-color:rgb(225, 213, 253) }
```

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

Here you see how a box with a 4 pixel rgb(225, 213, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 213, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 213, 253);  
box-shadow:4px 4px 4px 4px rgb(225, 213,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6879, 0.2950, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 213, 253) }
```

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

```
.background{ background-color: rgb(225,  
213, 253) }
```

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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