

Converting Colors

$Y_{xy}(71.1329, 0.2972, 0.2848)$

Have a look what the booklet for
Yxy(71.1329, 0.2972, 0.2848)
contains.

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Color

Yxy(71.1300, 0.2972, 0.2848)

Conversions

Conversions Part 1

Format	Color
Hex	E6D4FF
RGB	230, 212, 255
RGB Percent	90%, 83%, 100%
CMY	0.0980, 0.1686, 0.0001
CMYK	0.10, 0.17, 0.00, 0.00
HSL	265°, 100%, 92%
HSV	265°, 17%, 100%
XYZ	74.2270, 71.1300, 104.3973
YIQ	222.2840, -3.0750, 17.1890

Conversions

Conversions Part 2

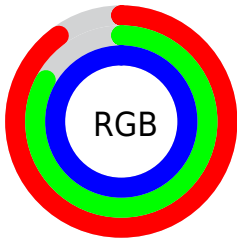
Format	Color
R _Y B	230, 212, 255
Decimal	15127807
CIE Lab	87.55, 14.12, -18.68
CIE LCh	88, 23.417, 307.074
Yxy	71.1300, 0.2972, 0.2848
Android (android.graphics.Color)	4293317887 (0xFFE6D4FF)
YUV	222.2840, 16.1290, 6.7669
Hunter-Lab	84.3386, 9.5065, -14.3542

Details

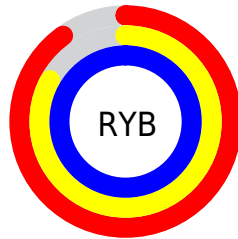
The Yxy color **71.1300, 0.2972, 0.2848** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.2494, 0.3264, 0.3726**, and the grayscale version is **73.1462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1898, 0.2932, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **57.0294, 0.2860, 0.2557**, and if you desaturate by 10%, it is **87.4574, 0.3069, 0.3118**.

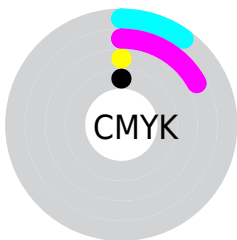
Distribution



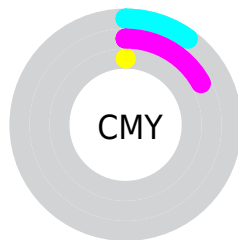
- Red (90%)
- Green (83%)
- Blue (100%)



- Red (90%)
- Yellow (83%)
- Blue (100%)



- Cyan (10%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1300, 0.2972, 0.2848 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 71.1300, 0.2972, 0.2848 by changing the saturation by 10% instead.

71.1300, 0.2972,
0.2848

71.1300, 0.2972,
0.2848

464.5078, 0.3046,
0.3047

52.4483, 0.2955,
0.2804

120.8188, 0.2998,
0.2916

37.3625, 0.2933,
0.2750

152.5947, 0.3008,
0.2943

25.4883, 0.2906,
0.2683

189.5041, 0.3017,
0.2966

16.4412, 0.2869,
0.2596

231.9314, 0.3024,
0.2986

9.8369, 0.2819,
0.2482

280.2611, 0.3030,
0.3004

5.2910, 0.2746,
0.2324

334.8774, 0.3036,

2.4190, 0.2630,

0.3020

0.2093

396.1648, 0.3041,
0.3034

0.8356, 0.2425,
0.1724

0.0000, 0.0789,
0.0000

71.1300, 0.2972,
0.2848

71.1300, 0.2972,
0.2848

57.0294, 0.2860,
0.2557

87.4574, 0.3069,
0.3118

45.0472, 0.2734,
0.2251

99.9980, 0.3127,
0.3290

35.0794, 0.2595,
0.1939

27.0091, 0.2446,
0.1636

■ 20.7073, 0.2294,
0.1359

■ 16.0280, 0.2146,
0.1123

■ 12.8005, 0.2010,
0.0943

■ 10.8099, 0.1891,
0.0826

■ 10.3391, 0.1857,
0.0797

Harmonies

Analogous

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



71.1300, 0.2737, 0.2824



71.1300, 0.2972, 0.2848



71.1300, 0.3260, 0.2977

Triad

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



71.1300, 0.2972, 0.2848



71.1300, 0.3673, 0.3636



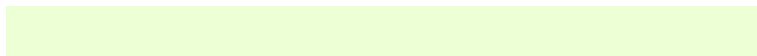
71.1300, 0.2743, 0.3387

Complementary

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



71.1300, 0.2972, 0.2848



94.2494, 0.3264, 0.3726

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.



71.1300, 0.2980, 0.3637



71.1300, 0.2972, 0.2848



71.1300, 0.3519, 0.3775

Square

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



71.1300, 0.2972, 0.2848



71.1300, 0.3674, 0.3418



71.1300, 0.3264, 0.3781



71.1300, 0.2609, 0.3121

Rectangle

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



71.1300, 0.2972, 0.2848



71.1300, 0.3442, 0.3107



71.1300, 0.3264, 0.3781



71.1300, 0.2812, 0.3477

Sweetspot

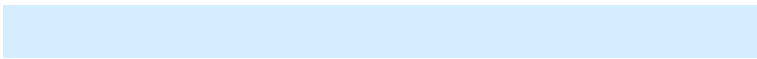
The Sweet Spot groups the original color and five complimentary colors.



71.1330, 0.2972, 0.2848



90.7560, 0.3085, 0.3166



81.8222, 0.2863, 0.3103



19.1575, 0.3079, 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.



71.1330, 0.2972, 0.2848



66.4757, 0.2938, 0.2758



74.8878, 0.3121, 0.2868



17.7499, 0.3045, 0.3049



5.4870, 0.1874, 0.0806



0.5967, 0.2000, 0.0875

Inverse Universe

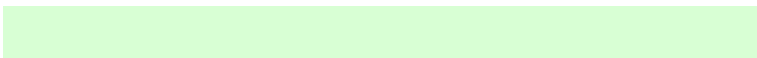
The Inverse Universe completely reimagines the original color for something new.



74.4540, 0.3271, 0.3042



70.3640, 0.3303, 0.2994



90.7890, 0.3128, 0.3745



18.1640, 0.3203, 0.3153



12.2575, 0.4624, 0.2321



1.2153, 0.4418, 0.2207

Previews

White Background



This preview shows how the Yxy color 71.1300, 0.2972, 0.2848 looks on a white background.

Color Contrast Check

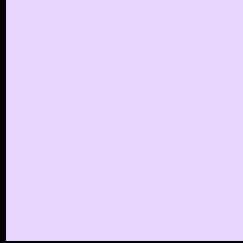
Large Text (above 18pt) WCAG AA × Fail

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 71.1300, 0.2972, 0.2848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

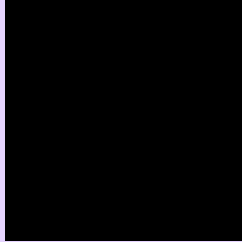
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

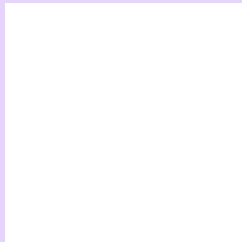
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.1300, 0.2972, 0.2848

Background



This preview shows how black text looks on a background with the Yxy color 71.1300, 0.2972, 0.2848.

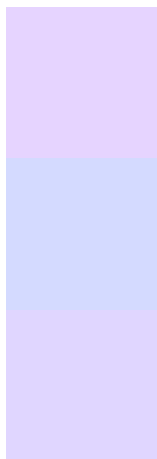


This preview shows how white text looks on a background with the Yxy color 71.1300, 0.2972, 0.2848.

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

71.1300, 0.2972, 0.2848

Protanopia

71.3599, 0.2853, 0.2897

Deuteranopia

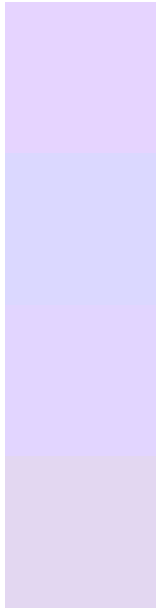
71.1604, 0.2931, 0.2864



Tritanopia

71.1637, 0.3086, 0.3109

Trichromacy



Original Color

71.1300, 0.2972, 0.2848

Protanomaly

71.3918, 0.2898, 0.2881

Deuteranomaly

70.9773, 0.2944, 0.2855

Tritanomaly

71.2826, 0.3041, 0.3016

Monochromacy



Original Color

71.1300, 0.2972, 0.2848

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.0909, 0.3071, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1300, 0.2972, 0.2848 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(230, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.1300, 0.2972, 0.2848 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(230, 212, 255) }
```

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

```
.border{ border-color:rgb(230, 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(230, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1300, 0.2972, 0.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 212, 255) }
```

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

```
.background{ background-color: rgb(230,  
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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