

Converting Colors

$Y_{xy}(72.4760, 0.2875, 0.2783)$

Have a look what the booklet for
Yxy(72.4760, 0.2875, 0.2783)
contains.

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Color

Yxy(71.6682, 0.2931, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	E0D7FF
RGB	224, 215, 255
RGB Percent	88%, 84%, 100%
CMY	0.1216, 0.1568, 0.0000
CMYK	0.12, 0.16, 0.00, 0.00
HSL	253°, 100%, 92%
HSV	253°, 16%, 100%
XYZ	73.0896, 71.6682, 104.6096
YIQ	222.2510, -7.4760, 14.3480

Conversions

Conversions Part 2

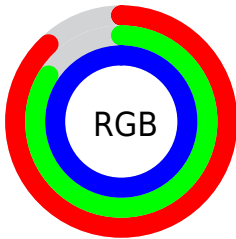
Format	Color
R _Y B	224, 215, 255
Decimal	14735359
CIE Lab	87.81, 10.63, -18.37
CIE LCh	88, 21.222, 300.059
Yxy	71.6682, 0.2931, 0.2874
Android (android.graphics.Color)	4292925439 (0xFFE0D7FF)
YUV	222.2510, 16.1453, 1.5339
Hunter-Lab	84.6571, 5.9600, -14.0039

Details

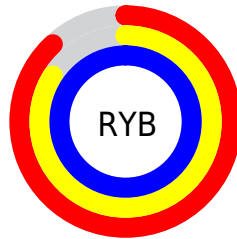
The Yxy color **71.6682, 0.2931, 0.2874** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.0241, 0.3305, 0.3688**, and the grayscale version is **73.1201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.6538, 0.2889, 0.2781** is the 20% darker color. If you saturate the color by 10%, you get **56.7006, 0.2783, 0.2573**, and if you desaturate by 10%, it is **89.0300, 0.3061, 0.3148**.

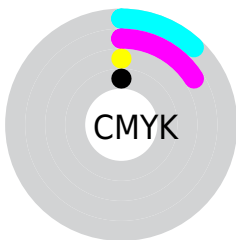
Distribution



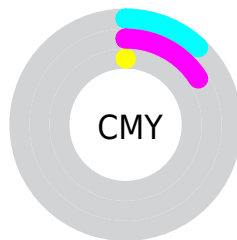
- Red (88%)
- Green (84%)
- Blue (100%)



- Red (88%)
- Yellow (84%)
- Blue (100%)



- Cyan (12%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6682, 0.2931, 0.2874 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 71.6682, 0.2931, 0.2874 by changing the saturation by 10% instead.

71.6682, 0.2931,
0.2874

71.6682, 0.2931,
0.2874

466.3859, 0.3023,
0.3062

52.8877, 0.2910,
0.2832

121.5847, 0.2963,
0.2938

37.7131, 0.2883,
0.2781

153.4894, 0.2976,
0.2964

25.7601, 0.2850,
0.2717

190.5377, 0.2986,
0.2986

16.6443, 0.2806,
0.2635

233.1139, 0.2996,
0.3005

9.9812, 0.2746,
0.2526

281.6024, 0.3004,
0.3022

5.3865, 0.2659,
0.2374

336.3877, 0.3011,

2.4758, 0.2524,

0.3037

0.2150

397.8540, 0.3017,
0.3050

■ 0.8645, 0.2290,
0.1792

■ 0.0000, 0.0275,
0.0000

■ 71.6682, 0.2931,
0.2874

■ 71.6682, 0.2931,
0.2874

■ 56.7006, 0.2783,
0.2573

■ 89.0300, 0.3061,
0.3148

■ 44.0171, 0.2617,
0.2250

100.0000, 0.3127,
0.3290

■ 33.5050, 0.2438,
0.1915

■ 25.0402, 0.2251,
0.1583

■ 18.4861, 0.2066,
0.1274

■ 13.6887, 0.1896,
0.1012

■ 10.4694, 0.1752,
0.0815

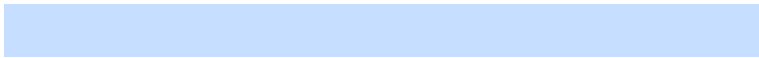
■ 8.6095, 0.1642,
0.0693

■ 8.0965, 0.1606,
0.0658

Harmonies

Analogous

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



71.6682, 0.2736, 0.2878



71.6682, 0.2931, 0.2874



71.6682, 0.3186, 0.2971

Triad

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



71.6682, 0.2931, 0.2874



71.6682, 0.3633, 0.3564



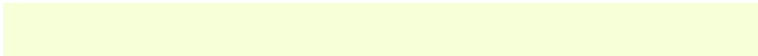
71.6682, 0.2822, 0.3436

Complementary

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



71.6682, 0.2931, 0.2874



96.0241, 0.3305, 0.3688

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.



71.6682, 0.3053, 0.3643



71.6682, 0.2931, 0.2874



71.6682, 0.3525, 0.3709

Square

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



71.6682, 0.2931, 0.2874



71.6682, 0.3600, 0.3357



71.6682, 0.3311, 0.3744



71.6682, 0.2675, 0.3192

Rectangle

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



71.6682, 0.2931, 0.2874



71.6682, 0.3357, 0.3080



71.6682, 0.3311, 0.3744



71.6682, 0.2892, 0.3513

Sweetspot

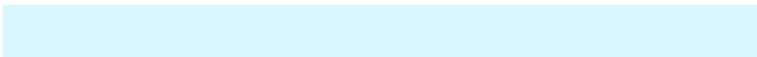
The Sweet Spot groups the original color and five complimentary colors.



71.6695, 0.2931, 0.2874



90.3057, 0.3069, 0.3165



87.7839, 0.2885, 0.3200



19.0483, 0.3061, 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.



71.6695, 0.2931, 0.2874



66.4445, 0.2884, 0.2777



74.9989, 0.3066, 0.2891



17.5743, 0.3014, 0.3047



4.2844, 0.1618, 0.0665



0.4632, 0.1722, 0.0722

Inverse Universe

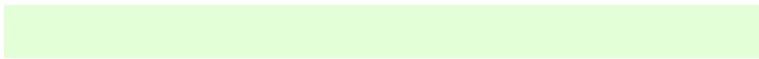
The Inverse Universe completely reimagines the original color for something new.



76.5204, 0.3206, 0.2985



72.2073, 0.3225, 0.2918



92.6503, 0.3178, 0.3704



18.2265, 0.3173, 0.3108



13.2574, 0.3875, 0.1908



1.3071, 0.3783, 0.1858

Previews

White Background



This preview shows how the Yxy color 71.6682, 0.2931, 0.2874 looks on a white background.

Color Contrast Check

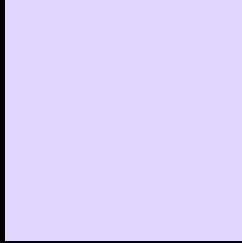
Large Text (above 18pt) WCAG AA × Fail

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 71.6682, 0.2931, 0.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

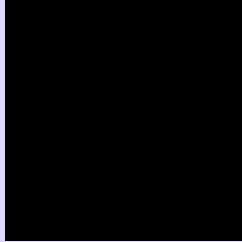
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.6682, 0.2931, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 71.6682, 0.2931, 0.2874.

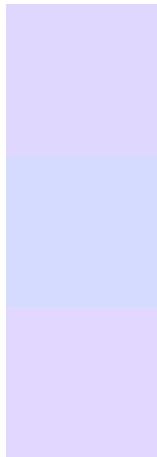


This preview shows how white text looks on a background with the Yxy color 71.6682, 0.2931, 0.2874.

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

71.6682, 0.2931, 0.2874

Protanopia

71.5089, 0.2860, 0.2898

Deuteranopia

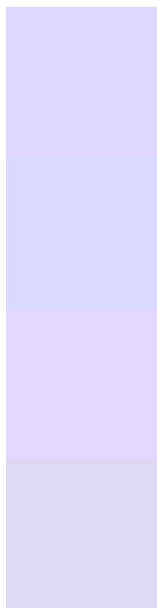
71.8284, 0.2938, 0.2875



Tritanopia

71.5711, 0.3031, 0.3097

Trichromacy



Original Color

71.6682, 0.2931, 0.2874

Protanomaly

71.5974, 0.2885, 0.2890

Deuteranomaly

71.8284, 0.2938, 0.2875

Tritanomaly

71.6264, 0.2993, 0.3014

Monochromacy



Original Color

71.6682, 0.2931, 0.2874

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.2915, 0.3057, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6682, 0.2931, 0.2874 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(224, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.6682, 0.2931, 0.2874 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(224, 215, 255) }
```

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

```
.border{ border-color:rgb(224, 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(224, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6682, 0.2931, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 215, 255) }
```

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

```
.background{ background-color: rgb(224,  
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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