

Converting Colors

$Y_{xy}(70.7935, 0.3014, 0.2974)$

Have a look what the booklet for
Yxy(70.7935, 0.3014, 0.2974)
contains.

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Color

Yxy(70.7935, 0.3014, 0.2974)

Conversions

Conversions Part 1

Format	Color
Hex	E2D6F4
RGB	226, 214, 244
RGB Percent	89%, 84%, 96%
CMY	0.1137, 0.1608, 0.0430
CMYK	0.07, 0.12, 0.00, 0.04
HSL	264°, 58%, 90%
HSV	264°, 12%, 96%
XYZ	71.7457, 70.7935, 95.5022
YIQ	221.0080, -2.4780, 11.8740

Conversions

Conversions Part 2

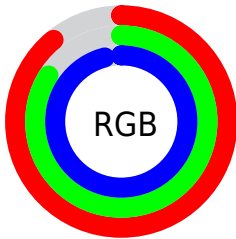
Format	Color
R _Y B	226, 214, 244
Decimal	14866164
CIE Lab	87.38, 9.63, -13.20
CIE LCh	87, 16.339, 306.126
Yxy	70.7935, 0.3014, 0.2974
Android (android.graphics.Color)	4293056244 (0xFFE2D6F4)
YUV	221.0080, 11.3351, 4.3780
Hunter-Lab	84.1389, 4.9649, -8.4002

Details

The Yxy color **70.7935, 0.3014, 0.2974** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.7419, 0.3231, 0.3602**, and the grayscale version is **72.2360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0850, 0.2988, 0.2896** is the 20% darker color. If you saturate the color by 10%, you get **57.0875, 0.2906, 0.2691**, and if you desaturate by 10%, it is **86.5583, 0.3108, 0.3234**.

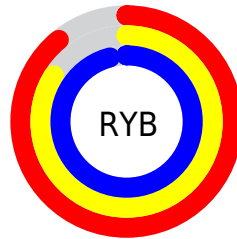
Distribution



Red (89%)

Green (84%)

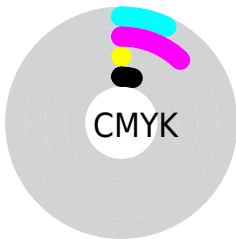
Blue (96%)



Red (89%)

Yellow (84%)

Blue (96%)

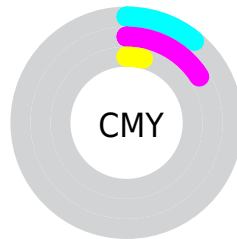


Cyan (7%)

Magenta (12%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (16%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7935, 0.3014, 0.2974 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 70.7935, 0.3014, 0.2974 by changing the saturation by 10% instead.

70.7935, 0.3014,
0.2974

70.7935, 0.3014,
0.2974

463.3312, 0.3068,
0.3118

52.1737, 0.3002,
0.2942

120.3396, 0.3033,
0.3024

37.1435, 0.2986,
0.2902

152.0348, 0.3040,
0.3043

25.3186, 0.2966,
0.2852

188.8571, 0.3046,
0.3060

16.3146, 0.2940,
0.2787

231.1911, 0.3052,
0.3074

9.7471, 0.2903,
0.2701

279.4211, 0.3056,
0.3087

5.2316, 0.2850,
0.2579

333.9316, 0.3061,

2.3838, 0.2764,

0.3099

0.2394

395.1068, 0.3064,
0.3109

0.8175, 0.2607,
0.2082

0.0000, 0.0000,
0.0000

70.7935, 0.3014,
0.2974

70.7935, 0.3014,
0.2974

57.0875, 0.2906,
0.2691

86.5583, 0.3108,
0.3234

45.3442, 0.2782,
0.2390

99.3141, 0.3191,
0.3395

35.4733, 0.2644,
0.2078

27.3735, 0.2495,
0.1767

■ 20.9338, 0.2340,
0.1473

■ 16.0299, 0.2186,
0.1213

■ 12.5194, 0.2041,
0.1004

■ 10.2314, 0.1912,
0.0856

■ 9.1057, 0.1827,
0.0780

Harmonies

Analogous

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



70.7935, 0.2848, 0.2962



70.7935, 0.3014, 0.2974



70.7935, 0.3215, 0.3064

Triad

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



70.7935, 0.3014, 0.2974



70.7935, 0.3509, 0.3533



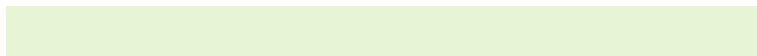
70.7935, 0.2862, 0.3365

Complementary

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



70.7935, 0.3014, 0.2974



86.7419, 0.3231, 0.3602

Split Complementary

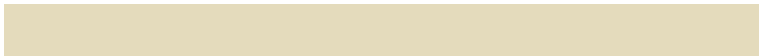
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.7935, 0.3032, 0.3533



70.7935, 0.3014, 0.2974



70.7935, 0.3407, 0.3627

Square

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



70.7935, 0.3014, 0.2974



70.7935, 0.3506, 0.3379



70.7935, 0.3232, 0.3630



70.7935, 0.2763, 0.3181

Rectangle

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



70.7935, 0.3014, 0.2974



70.7935, 0.3342, 0.3157



70.7935, 0.3232, 0.3630



70.7935, 0.2912, 0.3426

Sweetspot

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



70.7965, 0.3014, 0.2974



92.5210, 0.3093, 0.3191



78.8390, 0.2936, 0.3168



19.5113, 0.3086, 0.3172



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.



70.7965, 0.3014, 0.2974



73.8793, 0.2986, 0.2899



73.2457, 0.3116, 0.2984



16.2499, 0.3042, 0.3050



5.0237, 0.1844, 0.0789



0.4996, 0.1983, 0.0866

Inverse Universe

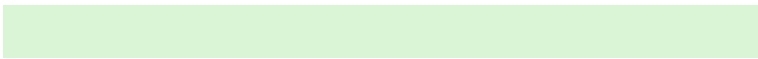
The Inverse Universe completely reimagines the original color for something new.



73.1608, 0.3223, 0.3105



77.0310, 0.3248, 0.3063



84.4097, 0.3135, 0.3612



16.6496, 0.3199, 0.3149



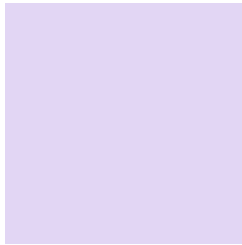
11.6220, 0.4540, 0.2275



1.0417, 0.4327, 0.2158

Previews

White Background



This preview shows how the Yxy color 70.7935, 0.3014, 0.2974 looks on a white background.

Color Contrast Check

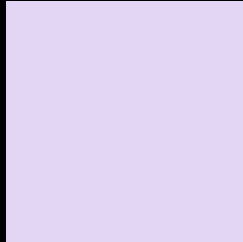
Large Text (above 18pt) WCAG AA × Fail

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 70.7935, 0.3014, 0.2974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

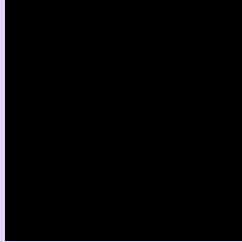
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

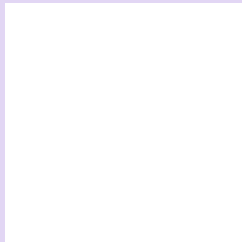
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7935, 0.3014, 0.2974

Background



This preview shows how black text looks on a background with the Yxy color 70.7935, 0.3014, 0.2974.



This preview shows how white text looks on a background with the Yxy color 70.7935, 0.3014, 0.2974.

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

70.7935, 0.3014, 0.2974

Protanopia

70.7266, 0.2927, 0.2980

Deuteranopia

70.7782, 0.3035, 0.2966



Tritanopia

70.8422, 0.3071, 0.3108

Trichromacy



Original Color

70.7935, 0.3014, 0.2974

Protanomaly

70.7644, 0.2960, 0.2981

Deuteranomaly

70.6141, 0.3028, 0.2965

Tritanomaly

70.7229, 0.3053, 0.3056

Monochromacy



Original Color

70.7935, 0.3014, 0.2974

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.4879, 0.3090, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7935, 0.3014, 0.2974 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, 214, 244)` looks like.

```
.text, #text, p{  
    color:rgb(226, 214, 244)  
}
```

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, 214, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 214, 244) }
```

Border

The CSS property to change the border of an element to Yxy 70.7935, 0.3014, 0.2974 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, 214, 244) }
```

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

```
.border{ border-color:rgb(226, 214, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 214, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 214, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 214, 244);  
box-shadow:4px 4px 4px 4px rgb(226, 214,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7935, 0.3014, 0.2974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 214, 244) }
```

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

```
.background{ background-color: rgb(226,  
214, 244) }
```

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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