

Converting Colors

$Y_{xy}(71.7520, 0.3017, 0.2993)$

Have a look what the booklet for
Yxy(71.7520, 0.3017, 0.2993)
contains.

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Color

Yxy(71.8121, 0.3014, 0.2996)

Conversions

Conversions Part 1

Format	Color
Hex	E2D8F4
RGB	226, 216, 244
RGB Percent	89%, 85%, 96%
CMY	0.1138, 0.1529, 0.0432
CMYK	0.07, 0.11, 0.00, 0.04
HSL	261°, 56%, 90%
HSV	261°, 11%, 96%
XYZ	72.2435, 71.8121, 95.6376
YIQ	222.1820, -3.0280, 10.8280

Conversions

Conversions Part 2

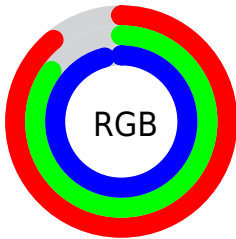
Format	Color
R _Y B	226, 216, 244
Decimal	14866676
CIE Lab	87.88, 8.56, -12.44
CIE LCh	88, 15.096, 304.527
Yxy	71.8121, 0.3014, 0.2996
Android (android.graphics.Color)	4293056756 (0xFFE2D8F4)
YUV	222.1820, 10.7563, 3.3484
Hunter-Lab	84.7420, 3.8748, -7.5937

Details

The Yxy color **71.8121, 0.3014, 0.2996** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.1550, 0.3232, 0.3579**, and the grayscale version is **73.1064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7785, 0.2988, 0.2923** is the 20% darker color. If you saturate the color by 10%, you get **57.8026, 0.2898, 0.2713**, and if you desaturate by 10%, it is **87.9167, 0.3114, 0.3254**.

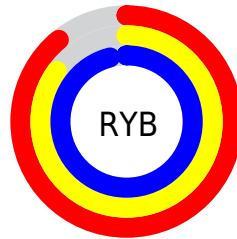
Distribution



Red (89%)

Green (85%)

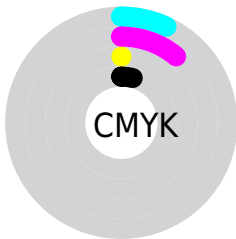
Blue (96%)



Red (89%)

Yellow (85%)

Blue (96%)

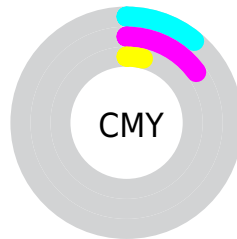


Cyan (7%)

Magenta (11%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (15%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8121, 0.3014, 0.2996 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 71.8121, 0.3014, 0.2996 by changing the saturation by 10% instead.

71.8121, 0.3014,
0.2996

71.8121, 0.3014,
0.2996

466.8873, 0.3067,
0.3130

53.0052, 0.3002,
0.2966

121.7893, 0.3033,
0.3042

37.8069, 0.2986,
0.2929

153.7285, 0.3040,
0.3060

25.8329, 0.2967,
0.2883

190.8138, 0.3046,
0.3076

16.6986, 0.2941,
0.2823

233.4298, 0.3051,
0.3089

10.0199, 0.2905,
0.2742

281.9607, 0.3056,
0.3101

5.4121, 0.2853,
0.2629

336.7910, 0.3060,

2.4910, 0.2770,

0.3112

0.2457

398.3051, 0.3064,
0.3121

0.8722, 0.2619,
0.2168

0.0000, 0.0000,
0.0000

71.8121, 0.3014,
0.2996

71.8121, 0.3014,
0.2996

57.8026, 0.2898,
0.2713

87.9167, 0.3114,
0.3254

45.7912, 0.2767,
0.2410

99.3114, 0.3191,
0.3396

35.6871, 0.2621,
0.2093

27.3883, 0.2463,
0.1776

■ 20.7833, 0.2299,
0.1473

■ 15.7477, 0.2137,
0.1203

■ 12.1394, 0.1986,
0.0985

■ 9.7885, 0.1855,
0.0830

■ 8.5537, 0.1761,
0.0744

Harmonies

Analogous

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



71.8121, 0.2864, 0.2989



71.8121, 0.3014, 0.2996



71.8121, 0.3198, 0.3075

Triad

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



71.8121, 0.3014, 0.2996



71.8121, 0.3481, 0.3507



71.8121, 0.2890, 0.3369

Complementary

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



71.8121, 0.3014, 0.2996



87.1550, 0.3232, 0.3579

Split Complementary

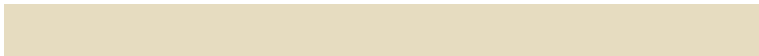
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.8121, 0.3049, 0.3520



71.8121, 0.3014, 0.2996



71.8121, 0.3392, 0.3598

Square

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



71.8121, 0.3014, 0.2996



71.8121, 0.3472, 0.3365



71.8121, 0.3233, 0.3604



71.8121, 0.2794, 0.3199

Rectangle

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



71.8121, 0.3014, 0.2996



71.8121, 0.3316, 0.3160



71.8121, 0.3233, 0.3604



71.8121, 0.2937, 0.3424

Sweetspot

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



71.8151, 0.3014, 0.2996



94.2937, 0.3099, 0.3216



80.0930, 0.2949, 0.3186



19.8641, 0.3092, 0.3196



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.



71.8151, 0.3014, 0.2996



75.1984, 0.2986, 0.2926



74.1396, 0.3111, 0.3005



16.2139, 0.3035, 0.3049



4.7206, 0.1777, 0.0753



0.4704, 0.1914, 0.0828

Inverse Universe

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



74.2926, 0.3208, 0.3106



78.5075, 0.3228, 0.3064



84.9062, 0.3140, 0.3587



16.6622, 0.3193, 0.3139



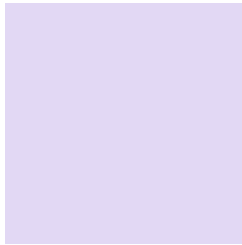
11.8101, 0.4364, 0.2178



1.0575, 0.4181, 0.2077

Previews

White Background



This preview shows how the Yxy color 71.8121, 0.3014, 0.2996 looks on a white background.

Color Contrast Check

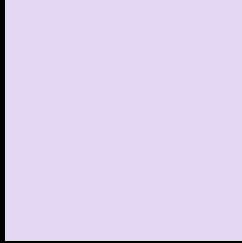
Large Text (above 18pt) WCAG AA × Fail

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 71.8121, 0.3014, 0.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

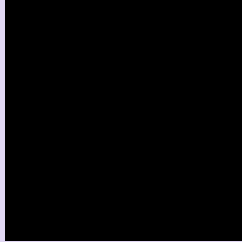
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8121, 0.3014, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 71.8121, 0.3014, 0.2996.

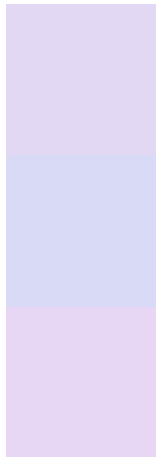


This preview shows how white text looks on a background with the Yxy color 71.8121, 0.3014, 0.2996.

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

71.8121, 0.3014, 0.2996

Protanopia

72.0686, 0.2941, 0.3002

Deuteranopia

71.6137, 0.3049, 0.2978



Tritanopia

71.9883, 0.3058, 0.3109

Trichromacy



Original Color

71.8121, 0.3014, 0.2996

Protanomaly

71.9510, 0.2967, 0.3004

Deuteranomaly

71.7905, 0.3035, 0.2987

Tritanomaly

71.8063, 0.3046, 0.3067

Monochromacy



Original Color

71.8121, 0.3014, 0.2996

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.5875, 0.3083, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8121, 0.3014, 0.2996 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, 216, 244)` looks like.

```
.text, #text, p{  
    color:rgb(226, 216, 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, 216, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 216, 244) }
```

Border

The CSS property to change the border of an element to Yxy 71.8121, 0.3014, 0.2996 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, 216, 244) }
```

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

```
.border{ border-color:rgb(226, 216, 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, 216, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 216, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 216, 244);  
box-shadow:4px 4px 4px 4px rgb(226, 216,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8121, 0.3014, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 216, 244) }
```

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

```
.background{ background-color: rgb(226,  
216, 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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