

Converting Colors

$Y_{xy}(73.4770, 0.2991, 0.2929)$

Have a look what the booklet for
Yxy(73.4770, 0.2991, 0.2929)
contains.

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Color

Yxy(73.4770, 0.2991, 0.2929)

Conversions

Conversions Part 1

Format	Color
Hex	E6D9FC
RGB	230, 217, 252
RGB Percent	90%, 85%, 99%
CMY	0.0978, 0.1491, 0.0116
CMYK	0.09, 0.14, 0.00, 0.01
HSL	262°, 86%, 92%
HSV	262°, 14%, 99%
XYZ	75.0323, 73.4770, 102.3510
YIQ	224.8770, -3.4870, 13.6410

Conversions

Conversions Part 2

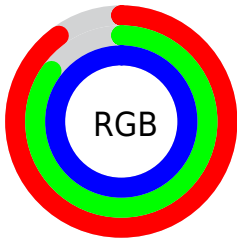
Format	Color
R _Y B	230, 217, 252
Decimal	15129084
CIE Lab	88.67, 10.92, -15.44
CIE LCh	89, 18.915, 305.263
Yxy	73.4770, 0.2991, 0.2929
Android (android.graphics.Color)	4293319164 (0xFFE6D9FC)
YUV	224.8770, 13.3716, 4.4929
Hunter-Lab	85.7187, 6.2390, -10.7911

Details

The Yxy color $73.4770, 0.2991, 0.2929$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.9972, 0.3250, 0.3645$, and the grayscale version is $75.1132, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $38.7795, 0.2958, 0.2851$ is the 20% darker color. If you saturate the color by 10%, you get $58.9666, 0.2875, 0.2641$, and if you desaturate by 10%, it is $90.2148, 0.3092, 0.3194$.

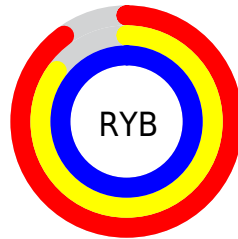
Distribution



Red (90%)

Green (85%)

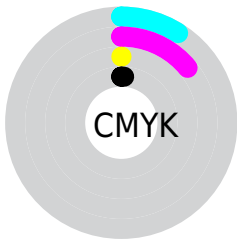
Blue (99%)



Red (90%)

Yellow (85%)

Blue (99%)

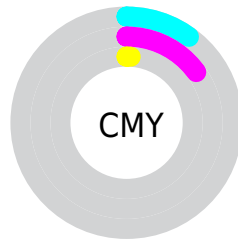


Cyan (9%)

Magenta (14%)

Yellow (0%)

Black (1%)



Cyan (10%)

Magenta (15%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4770, 0.2991, 0.2929 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 73.4770, 0.2991, 0.2929 by changing the saturation by 10% instead.

73.4770, 0.2991,
0.2929

73.4770, 0.2991,
0.2929

472.6664, 0.3055,
0.3092

54.3661, 0.2976,
0.2893

124.1541, 0.3013,
0.2985

38.8944, 0.2958,
0.2849

156.4892, 0.3022,
0.3007

26.6776, 0.2934,
0.2793

194.0010, 0.3029,
0.3026

17.3312, 0.2904,
0.2722

237.0741, 0.3036,
0.3042

10.4709, 0.2861,
0.2628

286.0927, 0.3042,
0.3057

5.7123, 0.2800,
0.2497

341.4414, 0.3047,

2.6709, 0.2704,

0.3070

0.2302

403.5045, 0.3051,
0.3081

0.9625, 0.2533,
0.1987

0.0000, 0.1214,
0.0000

73.4770, 0.2991,
0.2929

73.4770, 0.2991,
0.2929

58.9666, 0.2875,
0.2641

90.2148, 0.3092,
0.3194

46.5784, 0.2742,
0.2334

99.8105, 0.3144,
0.3318

36.2122, 0.2596,
0.2018

27.7561, 0.2440,
0.1704

■ 21.0870, 0.2278,
0.1410

■ 16.0666, 0.2121,
0.1154

■ 12.5355, 0.1975,
0.0952

■ 10.3002, 0.1849,
0.0814

■ 9.4072, 0.1784,
0.0756

Harmonies

Analogous

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



73.4770, 0.2805, 0.2917



73.4770, 0.2991, 0.2929



73.4770, 0.3220, 0.3029

Triad

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



73.4770, 0.2991, 0.2929



73.4770, 0.3566, 0.3561



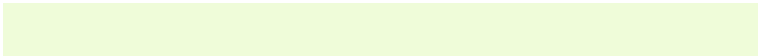
73.4770, 0.2828, 0.3382

Complementary

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



73.4770, 0.2991, 0.2929



92.9972, 0.3250, 0.3645

Split Complementary

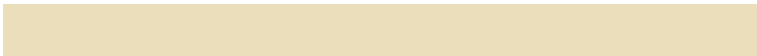
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.4770, 0.3024, 0.3574



73.4770, 0.2991, 0.2929



73.4770, 0.3452, 0.3674

Square

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



73.4770, 0.2991, 0.2929



73.4770, 0.3559, 0.3385



73.4770, 0.3252, 0.3682



73.4770, 0.2714, 0.3170

Rectangle

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



73.4770, 0.2991, 0.2929



73.4770, 0.3367, 0.3133



73.4770, 0.3252, 0.3682



73.4770, 0.2887, 0.3452

Sweetspot

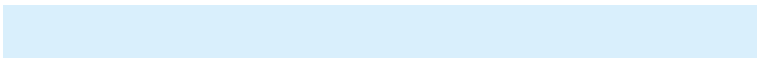
The Sweet Spot groups the original color and five complimentary colors.



73.4801, 0.2991, 0.2929



92.4705, 0.3091, 0.3191



83.6205, 0.2910, 0.3156



19.4985, 0.3084, 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.



73.4801, 0.2991, 0.2929



70.5948, 0.2957, 0.2842



76.4888, 0.3111, 0.2942



16.9581, 0.3037, 0.3049



4.9758, 0.1801, 0.0766



0.5190, 0.1931, 0.0838

Inverse Universe

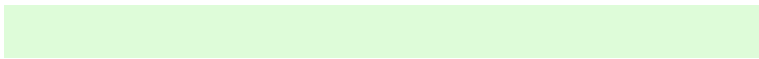
The Inverse Universe completely reimagines the original color for something new.



76.5505, 0.3231, 0.3071



74.3948, 0.3258, 0.3020



90.1274, 0.3139, 0.3657



17.4084, 0.3195, 0.3142



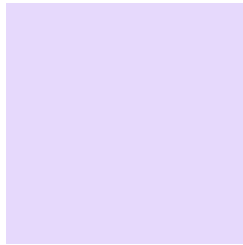
12.0972, 0.4432, 0.2215



1.1409, 0.4246, 0.2113

Previews

White Background



This preview shows how the Yxy color 73.4770, 0.2991, 0.2929 looks on a white background.

Color Contrast Check

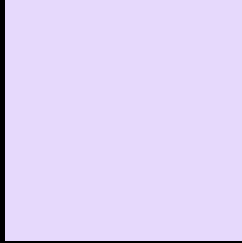
Large Text (above 18pt) WCAG AA × Fail

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 73.4770, 0.2991, 0.2929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

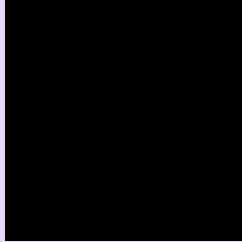
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

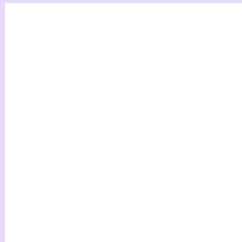
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.4770, 0.2991, 0.2929

Background



This preview shows how black text looks on a background with the Yxy color 73.4770, 0.2991, 0.2929.

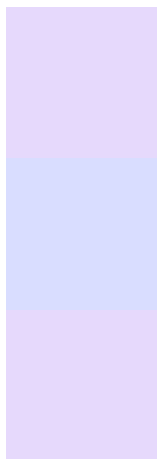


This preview shows how white text looks on a background with the Yxy color 73.4770, 0.2991, 0.2929.

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

73.4770, 0.2991, 0.2929

Protanopia

73.6846, 0.2887, 0.2933

Deuteranopia

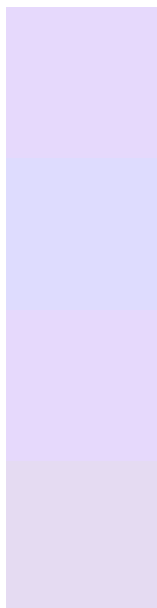
73.4770, 0.2991, 0.2929



Tritanopia

73.7948, 0.3072, 0.3111

Trichromacy



Original Color

73.4770, 0.2991, 0.2929

Protanomaly

73.8718, 0.2925, 0.2936

Deuteranomaly

73.4770, 0.2991, 0.2929

Tritanomaly

73.7319, 0.3047, 0.3050

Monochromacy



Original Color

73.4770, 0.2991, 0.2929

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

74.5716, 0.3078, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4770, 0.2991, 0.2929 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, 217, 252)` looks like.

```
.text, #text, p{  
    color:rgb(230, 217, 252)  
}
```

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, 217, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 217, 252) }
```

Border

The CSS property to change the border of an element to Yxy 73.4770, 0.2991, 0.2929 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, 217, 252) }
```

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

```
.border{ border-color:rgb(230, 217, 252) }
```

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

Here you see how a box with a 4 pixel rgb(230, 217, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 217, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 217, 252);  
box-shadow:4px 4px 4px 4px rgb(230, 217,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4770, 0.2991, 0.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 217, 252) }
```

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

```
.background{ background-color: rgb(230,  
217, 252) }
```

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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