

Converting Colors

$Y_{xy}(73.2890, 0.2991, 0.2854)$

Have a look what the booklet for
Yxy(73.2890, 0.2991, 0.2854)
contains.

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Color

Yxy(72.9753, 0.3006, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	EBD6FF
RGB	235, 214, 255
RGB Percent	92%, 84%, 100%
CMY	0.0785, 0.1607, 0.0000
CMYK	0.08, 0.16, 0.00, 0.00
HSL	271°, 100%, 92%
HSV	271°, 16%, 100%
XYZ	76.3536, 72.9753, 104.6750
YIQ	224.9530, -0.6450, 17.2030

Conversions

Conversions Part 2

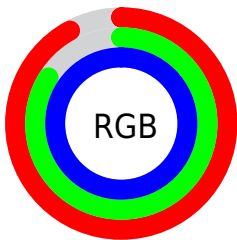
Format	Color
R _Y B	235, 214, 255
Decimal	15455999
CIE Lab	88.44, 14.65, -17.33
CIE LCh	88, 22.688, 310.206
Yxy	72.9753, 0.3006, 0.2873
Android (android.graphics.Color)	4293646079 (0xFFEBD6FF)
YUV	224.9530, 14.8132, 8.8112
Hunter-Lab	85.4256, 10.0489, -12.8522

Details

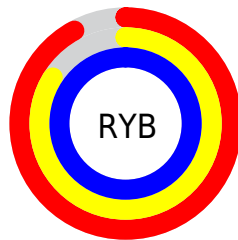
The Yxy color $72.9753, 0.3006, 0.2873$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.8729, 0.3233, 0.3708$, and the grayscale version is $75.1515, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $38.4572, 0.2977, 0.2780$ is the 20% darker color. If you saturate the color by 10%, you get $59.0184, 0.2914, 0.2589$, and if you desaturate by 10%, it is $89.1061, 0.3085, 0.3139$.

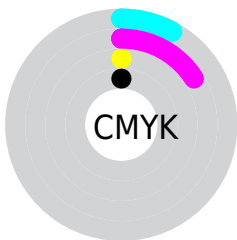
Distribution



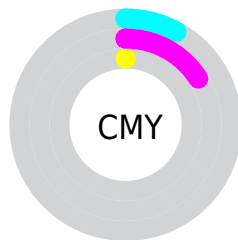
- Red (92%)
- Green (84%)
- Blue (100%)



- Red (92%)
- Yellow (84%)
- Blue (100%)



- Cyan (8%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9753, 0.3006, 0.2873 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 72.9753, 0.3006, 0.2873 by changing the saturation by 10% instead.


 72.9753, 0.3006,
0.2873

 72.9753, 0.3006,
0.2873


470.9292, 0.3064,
0.3060

 53.9558, 0.2992,
0.2832


123.4421, 0.3026,
0.2937

 38.5663, 0.2976,
0.2781


155.6582, 0.3034,
0.2962

 26.4225, 0.2954,
0.2718


193.0420, 0.3041,
0.2984

 17.1400, 0.2925,
0.2638

235.9778, 0.3047,
0.3003

 10.3343, 0.2886,
0.2532

284.8500, 0.3052,
0.3020

 5.6212, 0.2828,
0.2385

340.0430, 0.3056,

 2.6161, 0.2735,

0.3035

0.2170

401.9413, 0.3060,
0.3048

■ 0.9348, 0.2570,
0.1830

■ 0.0000, 0.1585,
0.0000

■ 72.9753, 0.3006,
0.2873

■ 72.9753, 0.3006,
0.2873

■ 59.0184, 0.2914,
0.2589

■ 89.1061, 0.3085,
0.3139

■ 47.1310, 0.2810,
0.2293

100.0000, 0.3127,
0.3290

■ 37.2114, 0.2693,
0.1994

■ 29.1460, 0.2567,
0.1705

■ 22.8093, 0.2437,
0.1440

■ 18.0592, 0.2306,
0.1215

■ 14.7304, 0.2181,
0.1042

■ 12.6177, 0.2068,
0.0925

■ 12.0027, 0.2027,
0.0890

Harmonies

Analogous

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



72.9753, 0.2771, 0.2839



72.9753, 0.3006, 0.2873



72.9753, 0.3283, 0.3006

Triad

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



72.9753, 0.3006, 0.2873



72.9753, 0.3642, 0.3642



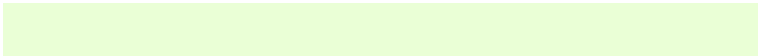
72.9753, 0.2739, 0.3356

Complementary

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



72.9753, 0.3006, 0.2873



93.8729, 0.3233, 0.3708

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.



72.9753, 0.2959, 0.3601



72.9753, 0.3006, 0.2873



72.9753, 0.3482, 0.3763

Square

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



72.9753, 0.3006, 0.2873



72.9753, 0.3660, 0.3438



72.9753, 0.3230, 0.3753



72.9753, 0.2623, 0.3104

Rectangle

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



72.9753, 0.3006, 0.2873



72.9753, 0.3454, 0.3136



72.9753, 0.3230, 0.3753



72.9753, 0.2802, 0.3443

Sweetspot

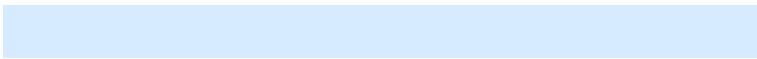
The Sweet Spot groups the original color and five complimentary colors.



72.9779, 0.3006, 0.2873



90.9713, 0.3093, 0.3166



80.6517, 0.2874, 0.3076



19.2098, 0.3088, 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.



72.9779, 0.3006, 0.2873



68.6732, 0.2981, 0.2792



76.5787, 0.3146, 0.2891



17.8346, 0.3059, 0.3050



6.3609, 0.2044, 0.0900



0.6844, 0.2165, 0.0966

Inverse Universe

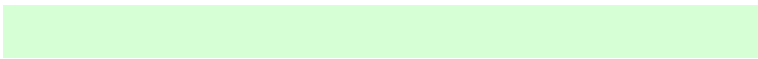
The Inverse Universe completely reimagines the original color for something new.



75.3009, 0.3290, 0.3091



71.3930, 0.3325, 0.3053



90.6734, 0.3107, 0.3725



18.1349, 0.3217, 0.3174



11.9062, 0.5014, 0.2536



1.1813, 0.4753, 0.2392

Previews

White Background



This preview shows how the Yxy color 72.9753, 0.3006, 0.2873 looks on a white background.

Color Contrast Check

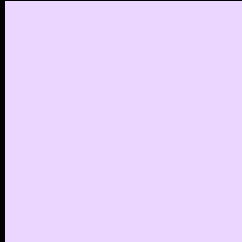
Large Text (above 18pt) WCAG AA × Fail

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 72.9753, 0.3006, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

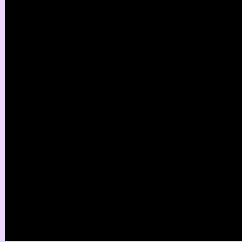
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

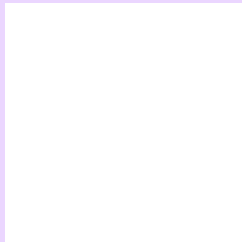
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.9753, 0.3006, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 72.9753, 0.3006, 0.2873.

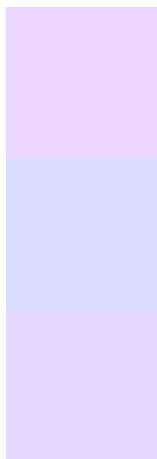


This preview shows how white text looks on a background with the Yxy color 72.9753, 0.3006, 0.2873.

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

72.9753, 0.3006, 0.2873

Protanopia

73.0053, 0.2880, 0.2922

Deuteranopia

72.8257, 0.2958, 0.2888



Tritanopia

73.2968, 0.3114, 0.3112

Trichromacy



Original Color

72.9753, 0.3006, 0.2873

Protanomaly

73.0508, 0.2925, 0.2905

Deuteranomaly

72.8098, 0.2979, 0.2880

Tritanomaly

73.3602, 0.3076, 0.3031

Monochromacy



Original Color

72.9753, 0.3006, 0.2873

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

74.4270, 0.3085, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9753, 0.3006, 0.2873 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(235, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 214, 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(235, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.9753, 0.3006, 0.2873 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(235, 214, 255) }
```

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

```
.border{ border-color:rgb(235, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 214,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.9753, 0.3006, 0.2873$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 214, 255) }
```

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

```
.background{ background-color: rgb(235,  
214, 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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