

Converting Colors

$Y_{xy}(74.0002, 0.3009, 0.2893)$

Have a look what the booklet for
Yxy(74.0002, 0.3009, 0.2893)
contains.

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Color

Yxy(73.9939, 0.3006, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	EBD8FF
RGB	235, 216, 255
RGB Percent	92%, 85%, 100%
CMY	0.0785, 0.1529, 0.0000
CMYK	0.08, 0.15, 0.00, 0.00
HSL	269°, 100%, 92%
HSV	269°, 15%, 100%
XYZ	76.8575, 73.9939, 104.8290
YIQ	226.1270, -1.1950, 16.1570

Conversions

Conversions Part 2

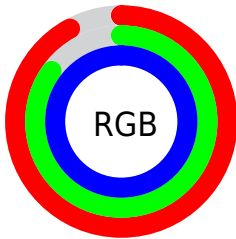
Format	Color
R _Y B	235, 216, 255
Decimal	15456511
CIE Lab	88.92, 13.58, -16.59
CIE LCh	89, 21.441, 309.305
Yxy	73.9939, 0.3006, 0.2894
Android (android.graphics.Color)	4293646591 (0xFFE8D8FF)
YUV	226.1270, 14.2344, 7.7816
Hunter-Lab	86.0197, 8.9530, -12.0407

Details

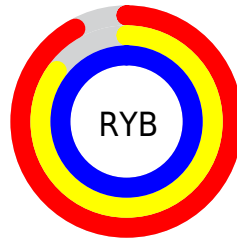
The Yxy color $73.9939, 0.3006, 0.2894$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $94.3109, 0.3234, 0.3686$, and the grayscale version is $76.0450, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $39.1507, 0.2978, 0.2807$ is the 20% darker color. If you saturate the color by 10%, you get $59.7806, 0.2910, 0.2610$, and if you desaturate by 10%, it is $90.4049, 0.3089, 0.3159$.

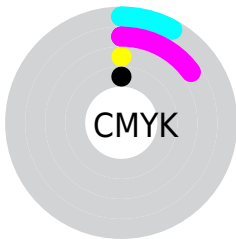
Distribution



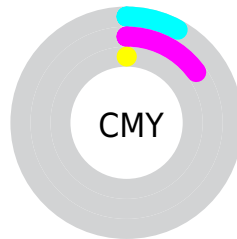
- Red (92%)
- Green (85%)
- Blue (100%)



- Red (92%)
- Yellow (85%)
- Blue (100%)



- Cyan (8%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9939, 0.3006, 0.2894 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 73.9939, 0.3006, 0.2894 by changing the saturation by 10% instead.


 73.9939, 0.3006,
0.2894

 73.9939, 0.3006,
0.2894


474.4523, 0.3063,
0.3072

 54.7890, 0.2993,
0.2855


124.8872, 0.3026,
0.2955

 39.2329, 0.2976,
0.2807


157.3444, 0.3034,
0.2978

 26.9409, 0.2955,
0.2747


194.9878, 0.3041,
0.2999

 17.5289, 0.2927,
0.2671

238.2019, 0.3046,
0.3017

 10.6123, 0.2888,
0.2570

287.3709, 0.3051,
0.3033

 5.8068, 0.2831,
0.2431

342.8795, 0.3056,

 2.7279, 0.2742,

0.3048

0.2226

405.1118, 0.3060,
0.3060

0.9914, 0.2584,
0.1902

0.0000, 0.1744,
0.0000

73.9939, 0.3006,
0.2894

73.9939, 0.3006,
0.2894

59.7806, 0.2910,
0.2610

90.4049, 0.3089,
0.3159

47.6590, 0.2801,
0.2312

99.9993, 0.3127,
0.3290

37.5280, 0.2679,
0.2009

29.2744, 0.2548,
0.1715

■ 22.7731, 0.2411,
0.1443

■ 17.8830, 0.2275,
0.1210

■ 14.4404, 0.2145,
0.1029

■ 12.2434, 0.2028,
0.0906

■ 11.5050, 0.1978,
0.0863

Harmonies

Analogous

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



73.9939, 0.2787, 0.2865



73.9939, 0.3006, 0.2894



73.9939, 0.3267, 0.3017

Triad

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



73.9939, 0.3006, 0.2894



73.9939, 0.3614, 0.3617



73.9939, 0.2766, 0.3360

Complementary

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



73.9939, 0.3006, 0.2894



94.3109, 0.3234, 0.3686

Split Complementary

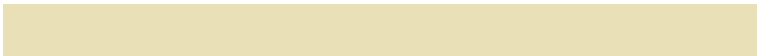
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.9939, 0.2976, 0.3588



73.9939, 0.3006, 0.2894



73.9939, 0.3468, 0.3733

Square

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



73.9939, 0.3006, 0.2894



73.9939, 0.3626, 0.3424



73.9939, 0.3233, 0.3727



73.9939, 0.2653, 0.3122

Rectangle

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



73.9939, 0.3006, 0.2894



73.9939, 0.3428, 0.3139



73.9939, 0.3233, 0.3727



73.9939, 0.2828, 0.3441

Sweetspot

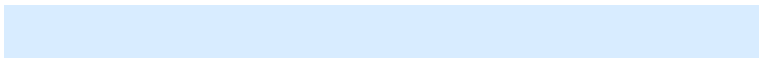
The Sweet Spot groups the original color and five complimentary colors.



73.9970, 0.3006, 0.2894



90.9121, 0.3091, 0.3166



81.8998, 0.2887, 0.3094



19.1954, 0.3085, 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.



73.9970, 0.3006, 0.2894



69.9293, 0.2981, 0.2819



77.4749, 0.3140, 0.2910



17.8113, 0.3055, 0.3050



6.1003, 0.1995, 0.0872



0.6587, 0.2118, 0.0940

Inverse Universe

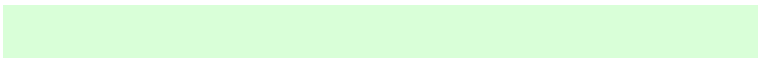
The Inverse Universe completely reimagines the original color for something new.



76.4368, 0.3274, 0.3091



72.7748, 0.3304, 0.3055



91.1726, 0.3112, 0.3701



18.1429, 0.3213, 0.3169



11.9952, 0.4906, 0.2476



1.1900, 0.4660, 0.2341

Previews

White Background



This preview shows how the Yxy color 73.9939, 0.3006, 0.2894 looks on a white background.

Color Contrast Check

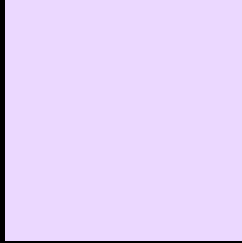
Large Text (above 18pt) WCAG AA × Fail

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 73.9939, 0.3006, 0.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

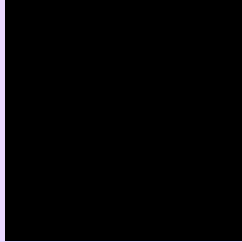
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

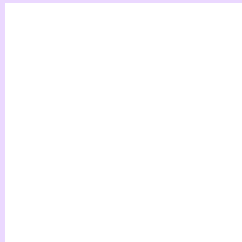
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.9939, 0.3006, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 73.9939, 0.3006, 0.2894.

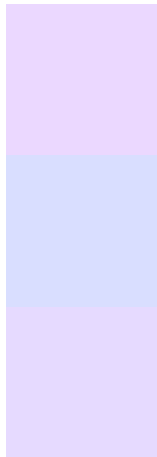


This preview shows how white text looks on a background with the Yxy color 73.9939, 0.3006, 0.2894.

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

73.9939, 0.3006, 0.2894

Protanopia

74.2143, 0.2887, 0.2944

Deuteranopia

74.1858, 0.2972, 0.2911



Tritanopia

73.8750, 0.3107, 0.3112

Trichromacy



Original Color

73.9939, 0.3006, 0.2894

Protanomaly

74.2537, 0.2932, 0.2927

Deuteranomaly

74.0015, 0.2986, 0.2902

Tritanomaly

73.9375, 0.3069, 0.3031

Monochromacy



Original Color

73.9939, 0.3006, 0.2894

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.0150, 0.3079, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9939, 0.3006, 0.2894 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 216, 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, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.9939, 0.3006, 0.2894 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, 216, 255) }
```

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

```
.border{ border-color:rgb(235, 216, 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, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9939, 0.3006, 0.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 216, 255) }
```

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

```
.background{ background-color: rgb(235,  
216, 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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