

Converting Colors

$Y_{xy}(71.4793, 0.2993, 0.2847)$

Have a look what the booklet for
Yxy(71.4793, 0.2993, 0.2847)
contains.

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Color

Yxy(71.6306, 0.2992, 0.2850)

Conversions

Conversions Part 1

Format	Color
Hex	E9D4FF
RGB	233, 212, 255
RGB Percent	91%, 83%, 100%
CMY	0.0863, 0.1686, 0.0000
CMYK	0.09, 0.17, 0.00, 0.00
HSL	269°, 100%, 92%
HSV	269°, 17%, 100%
XYZ	75.1996, 71.6306, 104.5053
YIQ	223.1810, -1.2870, 17.8250

Conversions

Conversions Part 2

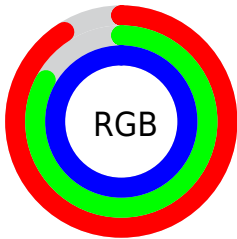
Format	Color
R _Y B	233, 212, 255
Decimal	15324415
CIE Lab	87.79, 15.07, -18.33
CIE LCh	88, 23.735, 309.428
Yxy	71.6306, 0.2992, 0.2850
Android (android.graphics.Color)	4293514495 (0xFFE9D4FF)
YUV	223.1810, 15.6868, 8.6113
Hunter-Lab	84.6349, 10.4894, -13.9656

Details

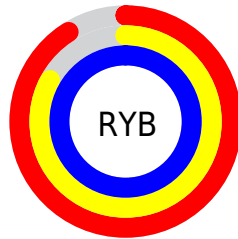
The Yxy color **71.6306, 0.2992, 0.2850** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.7690, 0.3245, 0.3729**, and the grayscale version is **73.8128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.5383, 0.2959, 0.2751** is the 20% darker color. If you saturate the color by 10%, you get **57.7559, 0.2895, 0.2564**, and if you desaturate by 10%, it is **87.6817, 0.3077, 0.3119**.

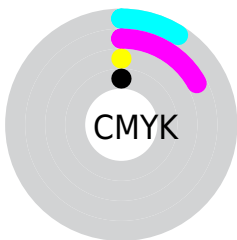
Distribution



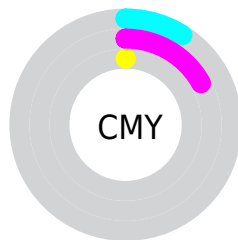
- Red (91%)
- Green (83%)
- Blue (100%)



- Red (91%)
- Yellow (83%)
- Blue (100%)



- Cyan (9%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6306, 0.2992, 0.2850 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 71.6306, 0.2992, 0.2850 by changing the saturation by 10% instead.


 71.6306, 0.2992,
0.2850

 71.6306, 0.2992,
0.2850


466.2548, 0.3057,
0.3048

 52.8570, 0.2977,
0.2806


121.5312, 0.3015,
0.2918

 37.6886, 0.2958,
0.2753


153.4270, 0.3024,
0.2944

 25.7411, 0.2934,
0.2686


190.4655, 0.3031,
0.2967

 16.6301, 0.2901,
0.2601

233.0314, 0.3038,
0.2987

 9.9711, 0.2857,
0.2488

281.5088, 0.3043,
0.3005

 5.3798, 0.2792,
0.2333

336.2823, 0.3048,

 2.4718, 0.2688,

0.3021

0.2105

397.7362, 0.3053,
0.3035

0.8625, 0.2502,
0.1744

0.0000, 0.1176,
0.0000

71.6306, 0.2992,
0.2850

71.6306, 0.2992,
0.2850

57.7559, 0.2895,
0.2564

87.6817, 0.3077,
0.3119

45.9591, 0.2784,
0.2265

100.0000, 0.3127,
0.3290

36.1349, 0.2661,
0.1963

28.1684, 0.2528,
0.1671

■ 21.9324, 0.2392,
0.1405

■ 17.2830, 0.2256,
0.1179

■ 14.0514, 0.2129,
0.1007

■ 12.0253, 0.2014,
0.0893

■ 11.5385, 0.1981,
0.0865

Harmonies

Analogous

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



71.6306, 0.2748, 0.2817



71.6306, 0.2992, 0.2850



71.6306, 0.3284, 0.2987

Triad

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



71.6306, 0.2992, 0.2850



71.6306, 0.3672, 0.3655



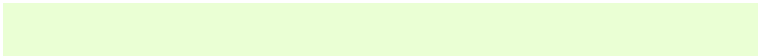
71.6306, 0.2723, 0.3367

Complementary

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



71.6306, 0.2992, 0.2850



93.7690, 0.3245, 0.3729

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.



71.6306, 0.2956, 0.3624



71.6306, 0.2992, 0.2850



71.6306, 0.3506, 0.3787

Square

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



71.6306, 0.2992, 0.2850



71.6306, 0.3687, 0.3438



71.6306, 0.3242, 0.3781



71.6306, 0.2599, 0.3100

Rectangle

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



71.6306, 0.2992, 0.2850



71.6306, 0.3465, 0.3122



71.6306, 0.3242, 0.3781



71.6306, 0.2791, 0.3458

Sweetspot

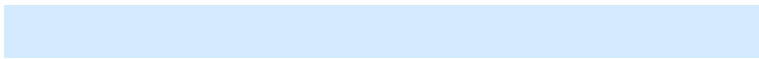
The Sweet Spot groups the original color and five complimentary colors.



71.6309, 0.2992, 0.2850



90.9161, 0.3091, 0.3166



80.1881, 0.2861, 0.3072



19.1964, 0.3086, 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.



71.6309, 0.2992, 0.2850



67.0455, 0.2963, 0.2762



75.4337, 0.3142, 0.2870



17.8129, 0.3056, 0.3050



6.1173, 0.1998, 0.0874



0.6604, 0.2121, 0.0942

Inverse Universe

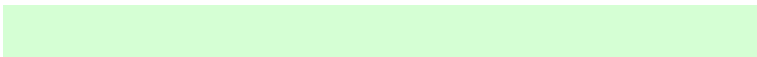
The Inverse Universe completely reimagines the original color for something new.



74.2908, 0.3292, 0.3071



70.1651, 0.3329, 0.3028



90.3782, 0.3110, 0.3748



18.1423, 0.3214, 0.3169



11.9890, 0.4913, 0.2480



1.1894, 0.4666, 0.2344

Previews

White Background



This preview shows how the Yxy color 71.6306, 0.2992, 0.2850 looks on a white background.

Color Contrast Check

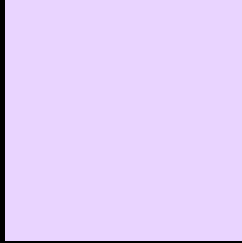
Large Text (above 18pt) WCAG AA × Fail

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 71.6306, 0.2992, 0.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

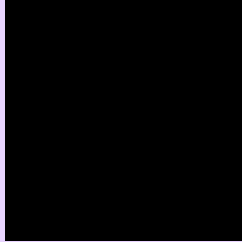
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.6306, 0.2992, 0.2850

Background



This preview shows how black text looks on a background with the Yxy color 71.6306, 0.2992, 0.2850.

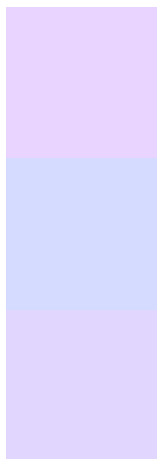


This preview shows how white text looks on a background with the Yxy color 71.6306, 0.2992, 0.2850.

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

71.6306, 0.2992, 0.2850

Protanopia

72.0292, 0.2860, 0.2909

Deuteranopia

71.7642, 0.2944, 0.2885



Tritanopia

71.6529, 0.3107, 0.3110

Trichromacy



Original Color

71.6306, 0.2992, 0.2850

Protanomaly

71.5474, 0.2905, 0.2882

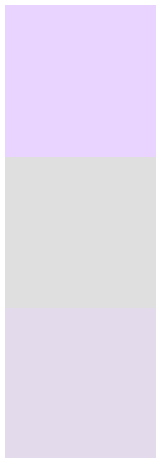
Deuteranomaly

71.7429, 0.2964, 0.2877

Tritanomaly

71.7747, 0.3062, 0.3018

Monochromacy



Original Color

71.6306, 0.2992, 0.2850

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.9921, 0.3079, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6306, 0.2992, 0.2850 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(233, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 212, 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(233, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.6306, 0.2992, 0.2850 is called "border". The border property can be set on classes, ids or directly on the HTML element.

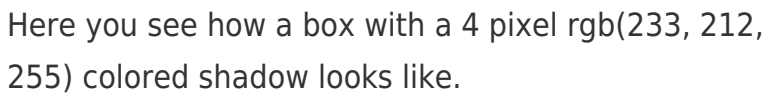
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 212, 255) }
```

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

```
.border{ border-color:rgb(233, 212, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(233, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6306, 0.2992, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 212, 255) }
```

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

```
.background{ background-color: rgb(233,  
212, 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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