

Converting Colors

$Y_{xy}(72.0653, 0.2993, 0.2901)$

Have a look what the booklet for
Yxy(72.0653, 0.2993, 0.2901)
contains.

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Color

Yxy(71.9444, 0.2991, 0.2898)

Conversions

Conversions Part 1

Format	Color
Hex	E6D6FC
RGB	230, 214, 252
RGB Percent	90%, 84%, 99%
CMY	0.0980, 0.1608, 0.0118
CMYK	0.09, 0.15, 0.00, 0.01
HSL	265°, 86%, 91%
HSV	265°, 15%, 99%
XYZ	74.2532, 71.9444, 102.0578
YIQ	223.1160, -2.6620, 15.2100

Conversions

Conversions Part 2

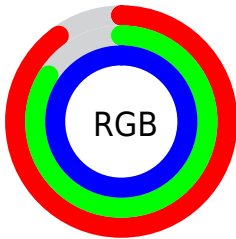
Format	Color
R _Y B	230, 214, 252
Decimal	15128316
CIE Lab	87.94, 12.47, -16.52
CIE LCh	88, 20.701, 307.055
Yxy	71.9444, 0.2991, 0.2898
Android (android.graphics.Color)	4293318396 (0xFFE6D6FC)
YUV	223.1160, 14.2398, 6.0373
Hunter-Lab	84.8200, 7.8274, -11.9653

Details

The Yxy color **71.9444, 0.2991, 0.2898** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.2960, 0.3249, 0.3678**, and the grayscale version is **73.7801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7351, 0.2957, 0.2811** is the 20% darker color. If you saturate the color by 10%, you get **57.8526, 0.2882, 0.2610**, and if you desaturate by 10%, it is **88.2167, 0.3085, 0.3164**.

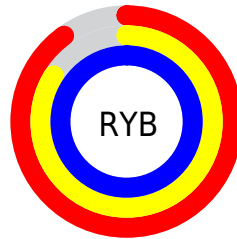
Distribution



Red (90%)

Green (84%)

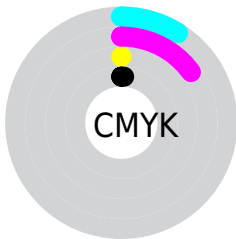
Blue (99%)



Red (90%)

Yellow (84%)

Blue (99%)

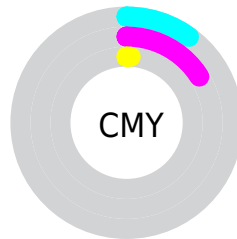


Cyan (9%)

Magenta (15%)

Yellow (0%)

Black (1%)



Cyan (10%)

Magenta (16%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9444, 0.2991, 0.2898 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 71.9444, 0.2991, 0.2898 by changing the saturation by 10% instead.


 71.9444, 0.2991,
0.2898

 71.9444, 0.2991,
0.2898


467.3481, 0.3056,
0.3075

 53.1133, 0.2976,
0.2859

121.9775, 0.3014,
0.2959

 37.8932, 0.2957,
0.2811


153.9482, 0.3022,
0.2982

 25.8998, 0.2933,
0.2750


191.0676, 0.3030,
0.3003

 16.7487, 0.2902,
0.2673

233.7200, 0.3036,
0.3021

 10.0555, 0.2858,
0.2571

282.2899, 0.3042,
0.3037

 5.4358, 0.2794,
0.2428

337.1616, 0.3047,

 2.5051, 0.2693,

0.3051

0.2217

398.7195, 0.3052,
0.3064

0.8792, 0.2512,
0.1877

0.0000, 0.0884,
0.0000

71.9444, 0.2991,
0.2898

71.9444, 0.2991,
0.2898

57.8526, 0.2882,
0.2610

88.2167, 0.3085,
0.3164

45.8370, 0.2759,
0.2307

99.8075, 0.3145,
0.3319

35.7980, 0.2623,
0.1996

27.6241, 0.2476,
0.1691

■ 21.1923, 0.2325,
0.1408

■ 16.3642, 0.2176,
0.1164

■ 12.9793, 0.2037,
0.0974

■ 10.8408, 0.1915,
0.0845

■ 10.1081, 0.1862,
0.0799

Harmonies

Analogous

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



71.9444, 0.2782, 0.2878



71.9444, 0.2991, 0.2898



71.9444, 0.3244, 0.3012

Triad

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



71.9444, 0.2991, 0.2898



71.9444, 0.3607, 0.3597



71.9444, 0.2788, 0.3377

Complementary

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



71.9444, 0.2991, 0.2898



92.2960, 0.3249, 0.3678

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.



71.9444, 0.2998, 0.3594



71.9444, 0.2991, 0.2898



71.9444, 0.3473, 0.3717

Square

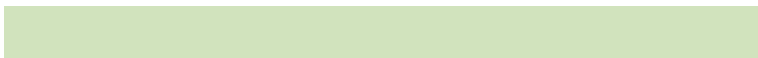
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.9444, 0.2991, 0.2898



71.9444, 0.3608, 0.3405



71.9444, 0.3249, 0.3720



71.9444, 0.2669, 0.3143

Rectangle

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



71.9444, 0.2991, 0.2898



71.9444, 0.3404, 0.3128



71.9444, 0.3249, 0.3720



71.9444, 0.2850, 0.3455

Sweetspot

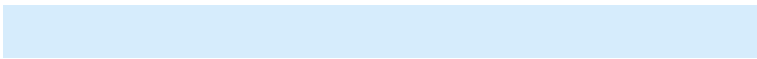
The Sweet Spot groups the original color and five complimentary colors.



71.9474, 0.2991, 0.2898



90.7615, 0.3086, 0.3166



81.4070, 0.2891, 0.3124



19.1588, 0.3079, 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.



71.9474, 0.2991, 0.2898



69.4388, 0.2961, 0.2816



75.2282, 0.3122, 0.2914



17.0007, 0.3045, 0.3049



5.3483, 0.1879, 0.0809



0.5562, 0.2011, 0.0882

Inverse Universe

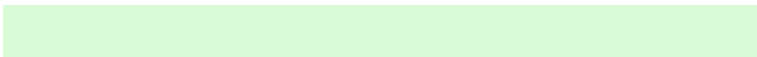
The Inverse Universe completely reimagines the original color for something new.



74.8410, 0.3254, 0.3070



72.9454, 0.3283, 0.3026



89.2458, 0.3128, 0.3692



17.3935, 0.3203, 0.3154



11.8873, 0.4632, 0.2326



1.1221, 0.4415, 0.2206

Previews

White Background



This preview shows how the Yxy color 71.9444, 0.2991, 0.2898 looks on a white background.

Color Contrast Check

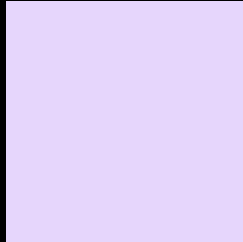
Large Text (above 18pt) WCAG AA × Fail

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 71.9444, 0.2991, 0.2898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

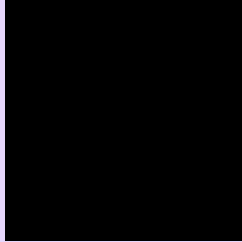
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

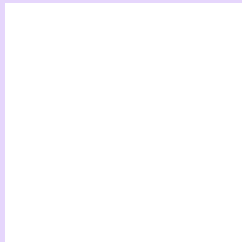
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.9444, 0.2991, 0.2898

Background



This preview shows how black text looks on a background with the Yxy color 71.9444, 0.2991, 0.2898.

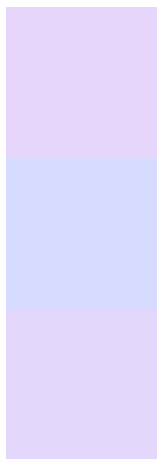


This preview shows how white text looks on a background with the Yxy color 71.9444, 0.2991, 0.2898.

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

71.9444, 0.2991, 0.2898

Protanopia

72.1792, 0.2866, 0.2909

Deuteranopia

71.9600, 0.2970, 0.2906



Tritanopia

71.8971, 0.3086, 0.3110

Trichromacy



Original Color

71.9444, 0.2991, 0.2898

Protanomaly

71.9971, 0.2911, 0.2902

Deuteranomaly

72.1231, 0.2977, 0.2907

Tritanomaly

71.9566, 0.3047, 0.3028

Monochromacy



Original Color

71.9444, 0.2991, 0.2898

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

73.2957, 0.3078, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9444, 0.2991, 0.2898 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, 214, 252)` looks like.

```
.text, #text, p{  
    color:rgb(230, 214, 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, 214, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 214, 252) }
```

Border

The CSS property to change the border of an element to Yxy 71.9444, 0.2991, 0.2898 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, 214, 252) }
```

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

```
.border{ border-color:rgb(230, 214, 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, 214, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 214, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 214, 252);  
box-shadow:4px 4px 4px 4px rgb(230, 214,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9444, 0.2991, 0.2898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 214, 252) }
```

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

```
.background{ background-color: rgb(230,  
214, 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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