

Converting Colors

$Y_{xy}(72.4460, 0.2980, 0.2872)$

Have a look what the booklet for
Yxy(72.4460, 0.2980, 0.2872)
contains.

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Color

Yxy(72.3021, 0.2979, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	E7D6FF
RGB	231, 214, 255
RGB Percent	91%, 84%, 100%
CMY	0.0941, 0.1608, 0.0002
CMYK	0.09, 0.16, 0.00, 0.00
HSL	265°, 100%, 92%
HSV	265°, 16%, 100%
XYZ	75.0481, 72.3021, 104.5735
YIQ	223.7570, -3.0290, 16.3550

Conversions

Conversions Part 2

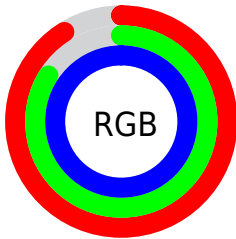
Format	Color
R_{YB}	231, 214, 255
Decimal	15193855
CIE _{Lab}	88.11, 13.37, -17.82
CIE _{LCh}	88, 22.278, 306.882
Yxy	72.3021, 0.2979, 0.2870
Android (android.graphics.Color)	4293383935 (0xFFE7D6FF)
YUV	223.7570, 15.4028, 6.3521
Hunter-Lab	85.0306, 8.7405, -13.3954

Details

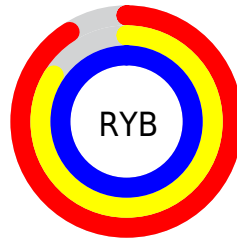
The Yxy color $72.3021, 0.2979, 0.2870$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $94.5203, 0.3258, 0.3705$, and the grayscale version is $74.2500, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.9875, 0.2942, 0.2775$ is the 20% darker color. If you saturate the color by 10%, you get $58.0169, 0.2868, 0.2580$, and if you desaturate by 10%, it is $88.8246, 0.3076, 0.3139$.

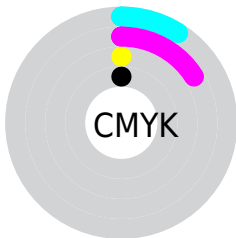
Distribution



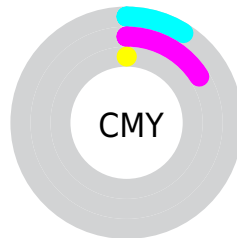
- Red (91%)
- Green (84%)
- Blue (100%)



- Red (91%)
- Yellow (84%)
- Blue (100%)



- Cyan (9%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3021, 0.2979, 0.2870 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 72.3021, 0.2979, 0.2870 by changing the saturation by 10% instead.

 72.3021, 0.2979,
0.2870

 72.3021, 0.2979,
0.2870


468.5924, 0.3049,
0.3059

 53.4055, 0.2963,
0.2828


122.4859, 0.3004,
0.2935

 38.1266, 0.2942,
0.2777


154.5420, 0.3013,
0.2960

 26.0809, 0.2916,
0.2713


191.7532, 0.3021,
0.2982

 16.8842, 0.2882,
0.2632

234.5042, 0.3028,
0.3001

 10.1520, 0.2835,
0.2523

283.1792, 0.3035,
0.3018

 5.4998, 0.2766,
0.2374

338.1626, 0.3040,

 2.5434, 0.2658,

0.3033

0.2154

399.8389, 0.3045,
0.3047

■ 0.8983, 0.2466,
0.1805

■ 0.0000, 0.1115,
0.0000

■ 72.3021, 0.2979,
0.2870

■ 72.3021, 0.2979,
0.2870

■ 58.0169, 0.2868,
0.2580

■ 88.8246, 0.3076,
0.3139

■ 45.8609, 0.2741,
0.2274

99.9975, 0.3127,
0.3290

■ 35.7306, 0.2602,
0.1962

■ 27.5099, 0.2453,
0.1658

■ 21.0708, 0.2300,
0.1377

■ 16.2686, 0.2151,
0.1136

■ 12.9349, 0.2013,
0.0952

■ 10.8617, 0.1893,
0.0829

■ 10.2722, 0.1850,
0.0793

Harmonies

Analogous

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



72.3021, 0.2756, 0.2849



72.3021, 0.2979, 0.2870



72.3021, 0.3251, 0.2992

Triad

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



72.3021, 0.2979, 0.2870



72.3021, 0.3644, 0.3618



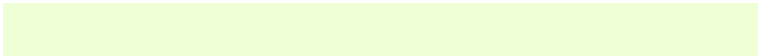
72.3021, 0.2764, 0.3384

Complementary

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



72.3021, 0.2979, 0.2870



94.5203, 0.3258, 0.3705

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.



72.3021, 0.2990, 0.3619



72.3021, 0.2979, 0.2870



72.3021, 0.3500, 0.3749

Square

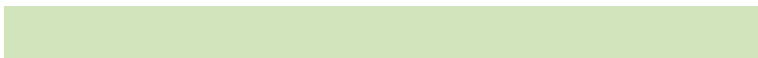
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3021, 0.2979, 0.2870



72.3021, 0.3644, 0.3411



72.3021, 0.3259, 0.3754



72.3021, 0.2637, 0.3132

Rectangle

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



72.3021, 0.2979, 0.2870



72.3021, 0.3424, 0.3115



72.3021, 0.3259, 0.3754



72.3021, 0.2831, 0.3469

Sweetspot

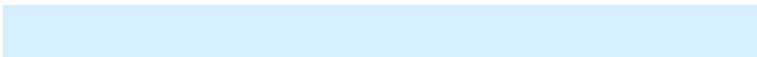
The Sweet Spot groups the original color and five complimentary colors.



72.3051, 0.2979, 0.2870



90.7462, 0.3085, 0.3166



83.0019, 0.2876, 0.3119



19.1551, 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.



72.3051, 0.2979, 0.2870



67.9042, 0.2948, 0.2787



75.7989, 0.3117, 0.2887



17.7461, 0.3044, 0.3049



5.4520, 0.1867, 0.0802



0.5931, 0.1993, 0.0872

Inverse Universe

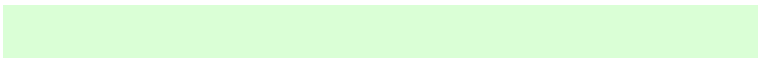
The Inverse Universe completely reimagines the original color for something new.



75.5204, 0.3262, 0.3053



71.6595, 0.3291, 0.3007



91.2716, 0.3132, 0.3721



18.1653, 0.3202, 0.3152



12.2754, 0.4607, 0.2311



1.2170, 0.4403, 0.2199

Previews

White Background



This preview shows how the Yxy color 72.3021, 0.2979, 0.2870 looks on a white background.

Color Contrast Check

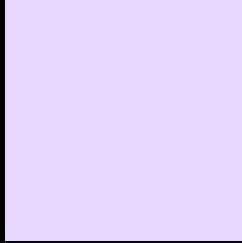
Large Text (above 18pt) WCAG AA × Fail

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 72.3021, 0.2979, 0.2870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

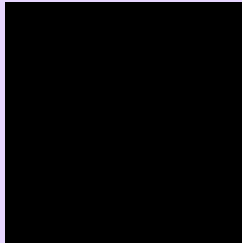
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

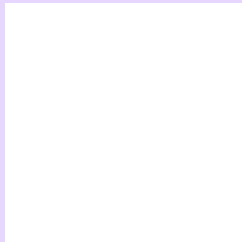
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.3021, 0.2979, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 72.3021, 0.2979, 0.2870.

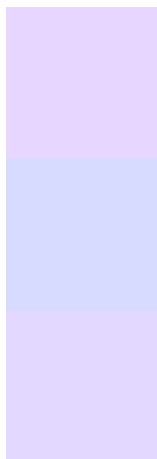


This preview shows how white text looks on a background with the Yxy color 72.3021, 0.2979, 0.2870.

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

72.3021, 0.2979, 0.2870

Protanopia

72.1792, 0.2866, 0.2909

Deuteranopia

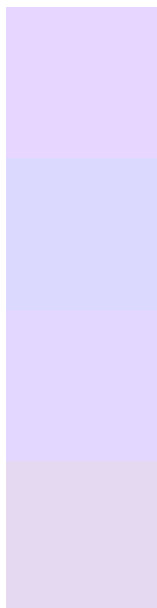
72.6626, 0.2952, 0.2887



Tritanopia

72.6349, 0.3086, 0.3110

Trichromacy



Original Color

72.3021, 0.2979, 0.2870

Protanomaly

72.0614, 0.2905, 0.2892

Deuteranomaly

72.3149, 0.2958, 0.2878

Tritanomaly

72.6945, 0.3048, 0.3029

Monochromacy



Original Color

72.3021, 0.2979, 0.2870

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

73.5155, 0.3078, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3021, 0.2979, 0.2870 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(231, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.3021, 0.2979, 0.2870 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(231, 214, 255) }
```

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

```
.border{ border-color:rgb(231, 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(231, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3021, 0.2979, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 214, 255) }
```

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

```
.background{ background-color: rgb(231,  
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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